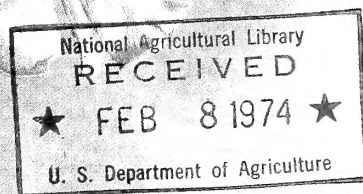


## Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.



62.23



PETUNIA DWARF CALIFORNIA GIANTS—VAUGHAN'S BLEND

Trade pkt., \$1.25;  $\frac{1}{4}$  oz., \$2.50;  $\frac{1}{2}$  oz., \$4.50;  $\frac{1}{6}$  oz., \$8.00.

**Vaughan's** BOOK FOR FLORISTS *Spring* 1949

601 W. JACKSON BLVD., CHICAGO 6—47 BARCLAY ST., NEW YORK 7



### *Vaughan's Little Giant Petunias*

#### **RUFFLED LITTLE GIANTS**

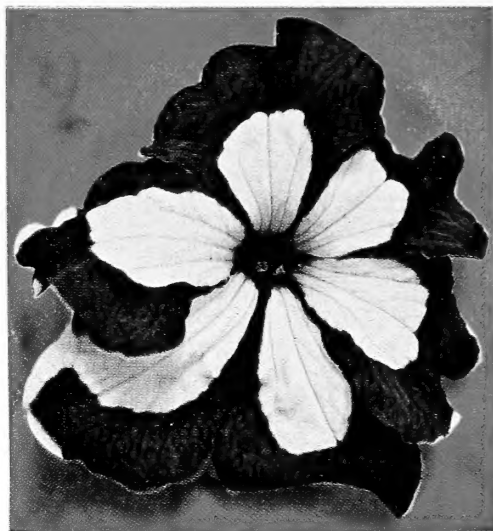
This variety has met widespread acceptance by florists because it was bred to their specifications for an ideal bedding and pot plant. Its compact habit forms a perfect mound which is completely covered by flowers. The blooms are well ruffled and waved, and while of medium size, seem much larger because of the dwarf nature of the plant. The colors are bright and clear, ranging from deep crimson to white, in a great variety of blends and variegations, including many soft pinks, and dark reds. We strongly recommend this for borders, beds and pot plants. Trade pkt., 75c;  $\frac{1}{64}$  oz., \$1.40;  $\frac{1}{32}$  oz., \$2.50;  $\frac{1}{16}$  oz., \$4.50.



### *Dwarf Fringed White Petunia*

#### **FRINGED WHITE MOUND**

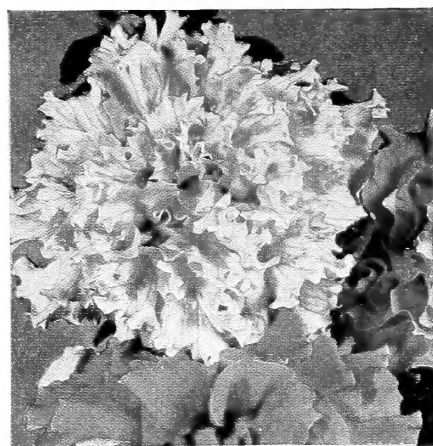
A perfect mound of fringed large flowering blossoms. An excellent plant for cemetery planting. The white varieties offer a pleasing contrast to colored sorts. Trade pkt., 75c;  $\frac{1}{64}$  oz., \$1.75;  $\frac{1}{32}$  oz., \$3.00.



### *Royal Purple Petunia*

#### **GRANDIFLORA FRINGED ROYALTY**

The immense ruffled and waved blossoms vary from pure white touched with purple through varying combinations of purple and white to rich self colored blooms. Often blossoms of all these combinations appear on one plant. Trade pkt., 50c;  $\frac{1}{64}$  oz., \$1.50.  $\frac{1}{32}$  oz., \$2.75.



Type of Pan-American Strain of Petunia

### *All Double Petunias*

#### **PAN-AMERICAN STRAIN**

**ALLEGRO.** Large double fringed deep salmon flowers. A beautiful new color in this class that will appeal to many customers.

**CAPRICE.** Double deep fringed bright rose flowers on dwarf-growing plants. A very attractive color that will sell on sight.

**NOCTURNE.** A deep midnight-purple or Elks Pride purple. Flowers somewhat semidouble.

**SONATA.** Large, double, pure white flowers. Fine for Mother's day. Recommend pinching plants to induce branching.

Each of above: 500 seeds, \$2.50; 1,000 seeds, \$4.00.

**GLORIOUS MIXTURE.** Contains tall and dwarf types in all of the above colors. This formula mixture is first class in every respect.  $\frac{1}{32}$  oz., \$21.00;  $\frac{1}{64}$  oz., \$12.00;  $\frac{1}{128}$  oz., \$6.50; 500 seeds \$2.00; 1000 seeds \$3.50.



# BUYERS: Give this Check List the "Once Over" When Ordering

This is a list of items most commonly used and needed by Greenhouse operators during the catalog months of the year. A glance at the list will probably recall any needs you might have forgotten which would inconvenience you later. It will also be a suggestion aid as to the possibilities of filling any empty benches. Included are a few hints regarding varieties, time of blooming, and culture. All items are listed in our "Books for Florists," but this will give you a quick check for busy months. We are planning to print improvements on this in each book if it is of any value to you. We would appreciate hearing your ideas. Better keep this for references until the next issue.

\*Starred perennial varieties are valuable for cutting besides plant sales.  
(A) means Annual; (B) means Biennial; (P) means Perennial.

## ITEMS TO START IN JANUARY

FLOWER SEEDS	FLOWER SEEDS—Continued
Ageratum (Spring plants)	Strawberries (Baron Solemacher)
Antirrhinum (for cutting)	Sweet Peas (Early and spring)
Asparagus Sprengeri	Torenia Fournieri (for pot culture)
Plumosus Nanus	Verbena
Begonias (Spring plants)	Vinca Rosea (plants)
Calendulas (for cutting)	GREENHOUSE
Candytuft (for cutting)	Azaleas
Carnation (Annual, for plants)	Ageratum R.C.
Centaurea Candidissima (Dusty Miller)	Carnation R.C.
Gymnocarpa (Dusty Miller)	Geraniums 2 1/4" or R.C.
Cyanus Cornflower (for cutting)	Hydrangea R.C.
Chrysanthemum (Annual cutflower)	Cyclamen Seedlings
Cineraria Maritima (Dusty Miller)	Fancy Leaved Caladiums
Clarkia (for cutting)	Lantana 2 1/4"
Cobaea Scandens (Spring plants)	BULBS
Coleus	Amaryllis
Cuphea (for plants)	Begonias (Tuberous Rooted)
Cynoglossum (for cutting)	Gladiolus
Dahlias Unwin (fine pot plants)	Gloxinias (Tuberous Rooted)
(plant tubers for Mother's Day)	Tuberose
Dracaena Indivisa (for pot plants)	SUPPLIES
Gloxinia (for pot culture)	Aluminum Phosphate
Gypsophila (Annual)	Bamboo Stakes
Kalanchoe (for pot plants)	Bone and Blood
Larkspur (Annual, for cutting)	Clover Set Pots
Leptosyne (for cutting)	Formaldehyde Dust
Lilium Praecox White Queen (for spring 1950)	Handy, Sowrite, Seed Model
Linaria (for combination)	Hormodin
Lobelias (Spring plants)	Horn Shavings
Lupinus (Annual, for cutting)	Hose Couplings
Marigolds Dwarf (for combination)	Loma
Matricaria Golden Ball Pots and bedding	Nikoteen
Mimulus (for pot culture)	Paper Pots
Nemesia (for combination)	Flower Boxes
Nierembergia Hippomanica (for pot culture)	Peat Moss
Pansies Super Maple Leaf Giants	Plant Borders
Mixed Largest Super Swiss Giants (color range, size, earliness)	Pot Labels
Petunias All Double and Dwarf Giants	Rootone
Salpiglossis (for cutting)	Red Arrow
Salvia (for plants)	VEGETABLE SEED
Schizanthus (Vaughan's Master-piece)	Cabbage
Solanum (Xmas Cherry or Pepper)	Cauliflower
Stocks Column and Branching	Celery
	Egg Plant
	Parsley
	Pepper
	Radish
	Tomatoes

Planted in January	Benching	Blooming	Culture
Antirrhinum	March	April-June	Pinch February 15th.
Begonias (Seed)	Jan.	May-June	
Candytuft & Nemesia	Jan.	May-June	Sow directly in flats, bench.
Centaurea Cyanus	Feb.	April	One pinch.
Chrysanthemums (A)	March 1	May	
Clarkia	Jan.	April-May	Grow 2" or shallow flats. Poor soil.
Gloxinia	Jan.	Aug.-Sept.	Grow under partial shade.
Gypsophila	Jan & every two weeks	March 15	Sow directly in flat or bench.
Kalanchoe 60°-65°	March	Dec. 1-15	Shade 3 hrs. Aug. 15-Oct. 1. 5-8 P.M.
Kalanchoe 60°-65°	March	Christmas	Shade 3 hrs. Sept. 1-Oct. 20. 5-8 P.M.
Leptosyne	March 1	April-May	
Lupinus	Jan.	April	
Petunias	Jan.	April-June	
Salvia	Feb.	July-Aug.	Keep bushy.
Solanum	March	Berried Dec.	Pinch March.
Stocks	March	Memorial Day.	Grow below 50°.
Sweet Peas	Jan.	April-June	
Torenia	Feb.	June-July	Pinch March.
Hydrangea (cuttings)	Feb.-April	Easter-June	Do not pinch later than July 1.
Gladiolus	Jan. 15	May	

## ITEMS TO START IN FEBRUARY

FLOWER SEEDS	FLOWER SEEDS—Continued
Ageratum	Mignonette (for cutting)
Asparagus Plumosus Nanus	Mimulus (for pots)
Asparagus Sprengeri	Nasturtiums (Double flowering or cutting)
Asters (for forcing)	Nemesia (Combination)
Calendula	Nierembergia Hippomanica
Candytuft (Dwarf for combinations)	Petunias
Carnation Annual (for plants)	Primula Obconica
Centaurea Cand. (Dusty Miller)	Salpiglossis (for cutting)
Centaurea Cyanus	Salvia (for plants)
Dahlias Unwin (Fine pot plant)	Stocks (Column and branching)
Dracaena Indivisa	Sweet Peas (Late varieties)
Gypsophila Annual	Thunbergia (Vine)
Larkspur	Torenia (for pot plants)
Lilium Praecox White Queen (for spring 1950)	Verbena (Spring plants)
Linaria (for combinations)	Vinca Rosea (plants)
Marigold (Dwarf for combinations)	Zinnia (for cutting inside)

## ITEMS TO START IN FEBRUARY—Continued

GREENHOUSE

Azaleas

Lantana 2¼"

Hydrangea R.C.

Geranium 2¼" or R.C.

Chrysanthemum R.C.

Carnation R.C.

Vinca R.C.

Fancy Leaved Caladiums

Ageratum R.C.

Verbena R.C.

Cyclamen Seedlings

Cannas

Dahlia

SUPPLIES

Arsenate of Lead

Bone & Blood

Bone Meal

Clover Set Pots

Evergreen

SUPPLIES—Continued

Florafoil

Flower Boxes

Hormodin

Loma

Paper Pots

Plant Bands

Picks

Red Arrow

Semesan

Bamboo Stakes

Snarol

Soil Tester

Vigoro

VEGETABLE SEED

Cabbage

Cauliflower

Celery

Egg Plant

Endive

Lettuce

Mushroom Spawn

Onion

Onion Sets

Parsley

Pepper

Radish

Tomato

BULBS

Amaryllis

Begonias

Caladiums Esculentum

Gladiolus

Gloxinias

Planted in February

Asters

Marigolds

Primula

Stocks

Sweet Peas

Hydrangeas take cuttings

Gladiolus

Begonias Tuberous

Gloxinias Tuberous

Benching

March 10

April 1

April

April

February

Feb.-April

Feb.

Feb.

Feb.

Blooming

June-July

May 15

October

June

May-June

Easter-June

May-June

June-Aug.

June-Aug.

Culture

Lighted Feb. 10 on Use late var.

Grow restricted containers. Dry slide

Do not use peat.

Grow below 50°.

(Latest pinch July 1, Pots)

## ITEMS TO START IN MARCH

FLOWER SEEDS	SUPPLIES
Alyssum	Bamboo Stakes
Antirrhinum (for plants)	Bone Meal
Asparagus Plumosus Nanus	Bull Dog Clips
Asparagus Sprengeri	Creme Paper
Asters (for forcing)	Cyanogas
Calendula	Flower Boxes
Clarkia (for cutting)	Flower Pot Wrap
Celosia (Dwarf for combinations)	Flower Potfoil
Centaurea Cyanus (outside)	Glazing Material
Dahlias Unwin (Fine pot plant)	Labels
Gerbera (Transvaal Daisy)	
Grevillea Robusta (Filler)	
Gypsophila (A) for cutting	
Ipomoea Clark's Early Heavenly Blue	
Larkspur (outside)	
Lupinus (Annual)	
Marigolds	
Mesembryanthemum (pots)	
Nasturtiums	
Petunias	
Primula Obconica	
Primula Sinensis	
Salpiglossis	
Salvia	
Solanum (Xmas Cherry or Pepper)	
Statice Sinuata for cutting	
Sweet Peas (outside)	
Venidium (plants)	
Verbena	
Zinnia (for cutting inside)	
VEGETABLE SEED	GREENHOUSE
Beans	Azaleas
Carrots	Buddleia
Onion Sets	Cannas
Peppers	Dahlias
Radish	Chrysanthemum R.C.
Spinach	Fancy Leaved Caladiums
Turnip	Geraniums 2 1/4" or R.C.
	Hydrangea R.C.
	Tritoma
	BULBS
	Begonias
	Caladiums Esculentum
	Gladiolus
	Gladiolus Display Case
	Gloxinias
	Ismene
	Maderia Vines
	Montbretias
	Ranunculus
	Tuberose
	GRASS SEED

Planted in March	Benching	Blooming	Culture
Antirrhinum	May 15	July and later	
Asters	May 15	July	Do not pinch.
Gerbera	Aug.	Dec. and later	Use fresh seed only.
Primula Obconica	May	Dec. 25	Do not use peat.
Primula Sinensis	May	April on in 5" pots	
Zinnias	April	May 20-June	
Begonias (bulbs)	March	June-Aug.	60°-65°
Gloxinias (bulbs)	March	June-Aug.	60°-65°

# Give this Check List the "Once Over" When Ordering

## ITEMS TO START IN APRIL

### FLOWER SEEDS

Asparagus Sprengeri  
Plumosis Nanus  
Asters (for forcing)  
Calendula  
Celosia  
Centaurea Annual Sorts  
Cosmos Sensation varieties very good  
Delphinium (P)  
Euphorbia Variegata (for cutting filler)  
Freesias (Sow in flats will bloom in Jan.)  
Gaillardia (A) (Spring plants)  
Grevillea Robusta (Filler)  
Gypsophila (A) (outside or cutting)  
Ipomoea Heavenly Blue for pot sales  
Lupinus (A) (Annual)  
Marigolds (Spring plants)  
Nasturtiums Double varieties best.  
Primula Obconica  
Primula Sinensis  
Saponaria "Pink Gyp" (for cutting)  
Scabiosa (for cutting)  
Statice Sinuata for cutting  
Zinnia (for cutting inside)

### VEGETABLE SEED

Asparagus Roots  
Kohlrabi  
Onion Sets

### GRASS SEED

### ROSES

### GREENHOUSE

Azaleas 2 1/4" and up for growing on  
Buddleia  
Cannas  
Chrysanthemum R.C.  
Cyclamen Seedlings  
Dahlias  
Delphinium  
Geraniums 2 1/4" or R.C.  
Hierantheas  
Tritoma

### SUPPLIES

Bamboo Stakes  
Flower Boxes  
Insecticides (resale)  
Loma  
Peat Moss

### BULBS

Anemone  
Begonias  
Gladiolus  
Gloxinias  
Ranunculus  
Tigridias  
Tuberoses

Plant in April	Benching	Blooming	Culture
Annual Gypsophila	Flatted May 15	June-July	
Asters (late April)	June 1	July	
Lupinus	April	May 30	
Primula Obconica	June	Jan.-Feb.	Do not use peat.
Zinnias 1st	Early April	May 20-June 1	
Zinnias 15th	Late April	June 1-June 10	
Mums. R.C. & Poms	June	Oct.-Dec.	Lights started Aug. 10.
Mums. R.C. & Poms	June	Dec.-Feb.	Use only for 1/2 hour at midnight.
Garza and late Poms. R.C.	Early July	Oct.-Dec.	
Late Mums R.C.	Early July	Dec.-Feb.	

## ITEMS TO START IN MAY

### FLOWER SEEDS

Asparagus Plumosis Nanus  
Asparagus Sprengeri  
Calendula (outside for cut)  
Campanula medium sorts (B)  
Delphinium (P)  
Digitalis (B)  
Forget-me-not (For Jan. flwg. Early Blue Bird)  
Freesias (Sow in flats will bloom in Jan.)  
Gourds (Start in pots)  
Gypsophila (A) (for cutting)  
Lupinus Annual (outside)  
Primula Malacoides  
Primula Obconica  
Scabiosa (outside for cutting)  
Zinnias (outside for cutting)

### SUPPLIES

Bamboo Stakes  
Bone & Blood  
Bone Meal  
Cyanogas  
Galvanized Wire Stakes  
Insecticides (resale)  
Loma  
Nicolfume  
Raffia  
Red Arrow  
Sheep Manure  
Volck

### GREENHOUSE

Azaleas 2 1/4" and up for growing on  
Begonias 2 1/4"  
Chrysanthemum R.C.  
Geranium R.C.  
Poinsettia Stock Plants

### BULBS

Gladiolus Tuberoses

Plant in May	Benching	Blooming	Culture
Primula Obconica	July	Jan. & later	
Zinnias	Early May	June 10-20	
Poinsettias	Make cuttings in	July-Aug.	Pinch not later than Sept. 1 for Dec. 25 blooming, 65°.
Garza & later Poms. R.C.	Early-Mid. July	Jan.-Feb.	
Late Mums	Early-Mid. July	Dec.-Feb.	

## ITEMS TO START IN JUNE

### FLOWER SEEDS

\*Achillea (P) (Tall cutting varieties)  
Alyssum Saxatile (P)  
\*Anthemis (P) (for cutting)  
Antirrhinum (Greenhouse var.)  
\*Aquillegia  
Arabis (P)  
Asparagus Plumosis Nanus  
Asparagus Sprengeri

### FLOWER SEEDS—Continued

Aubrietia (P)  
Begonias (for Xmas plants)  
Calceolaria  
Campanula Calycanthema (B)  
Candytuft  
\*Carnation (P)  
Cineraria

## ITEMS TO START IN JUNE—Continued

### FLOWER SEEDS—Continued

\*Coreopsis (P) Double Sunburst good  
Cyclamen  
\*Centaurea (P)  
\*Daisy Shasta (P) Single & Double  
\*Delphinium (P)  
\*Dianthus Barbatus (B)  
Digitalis (B)  
Dracaena Indivisa  
\*Gaillardia (P) (for cutting)  
\*Gypsophila (for cutting) (A)  
\*Helenium (P) (for cutting)  
Heuchera (P)  
Lunaria (P)  
\*Lupinus (P) (Annual)  
Lychnis (P)  
\*Matricaria  
Primula Chinese (pots)  
Primula Malacoides (pots)  
Primula Obconica (pots)  
\*Pyrethrum (P) (for cutting)  
\*Scabiosa Caucasica  
Statice (P) Dumosa variety very good  
Sweet Peas (early Flwg.)  
Wallflower

### BULBS

Gladiolus

### GREENHOUSE

Bouvardia 2 1/4"  
Chrysanthemum R.C.  
Gaillardia  
Table Fern Seedlings

### SUPPLIES

Bone Meal  
Hose & Couplings  
Insecticide Refills  
Loma  
Nicolfume  
Bordeaux Mixture  
Pomo Green  
Red Arrow  
Sulfate of Aluminum  
Super Phosphate  
Vigoro

Plant in June	Benching	Blooming	Culture
Antirrhinum	August	Dec.	Pinch to 3 or 4 sets of leaves, no higher to avoid spindliness.
Cinerarias	August	Early Jan. on	Do not pinch.
Lupinus	June	Jan.-Feb.	Small pots outdoors bench in Sept.
Double Snaps cuttings	June 15	Aug. Jan. & later	
Sweet Peas	June	Sept. & Dec.	Run rows N. & S. for winter blooming. See Aug. culture.

## ITEMS TO START IN JULY

### FLOWER SEEDS

Anchusa (P)  
\*Anthemis (P)  
Antirrhinum  
Armeria (P)  
Asparagus Plumosis  
Asparagus Sprengeri  
Begonia (for Xmas plants)  
Bellis (B)  
Calceolaria  
Calendula  
Campanula Perennial sorts  
\*Centaurea Perennial vars.  
Cineraria  
Clarkia  
Cyclamen  
\*Daisy Shasta (Single & Double)  
\*Delphinium (P)  
Dianthus Plumarius  
Didiscus Coeruleus Improved  
Dracaena Indivisa  
\*Gaillardia (P)  
\*Geum (P)  
Gypsophila  
Heuchera (P)  
Hollyhocks (P)  
\*Liatris (P)  
\*Lupinus (P)  
Lychnis (P)  
Marigold (Ghse. var.)  
\*Matricaria (Feverfew)  
Mignonette  
Myosotis (P)  
Nasturtiums Double varieties best  
Pansies (outside for spring plants)  
Pansies (Greenhouse long stem var.)  
Platycodon (P)

### FLOWER SEEDS—Continued

Poppy (P)  
Primula Malacoides  
Primula Obconica  
Primula Sinensis  
\*Pyrethrum (P)  
Salpiglossis  
\*Scabiosa (P)  
Schizanthus  
\*Statice (P)  
Stocks  
Sweet Pea (Early)  
\*Sweet William (B)  
\*Tritoma (P)  
Veronica (P)  
Viola (B) (Spring plants)  
\*Starred perennial varieties are valuable for cutting and plant sales.  
(A) means Annual; (B) means Biennial; (P) means Perennial.

### BULBS

Gladiolus  
Fall Flowering Crocus

### SUPPLIES

Bone Meal  
Hose & Coupling  
Red Arrow  
Sphagnum Moss  
Vigoro

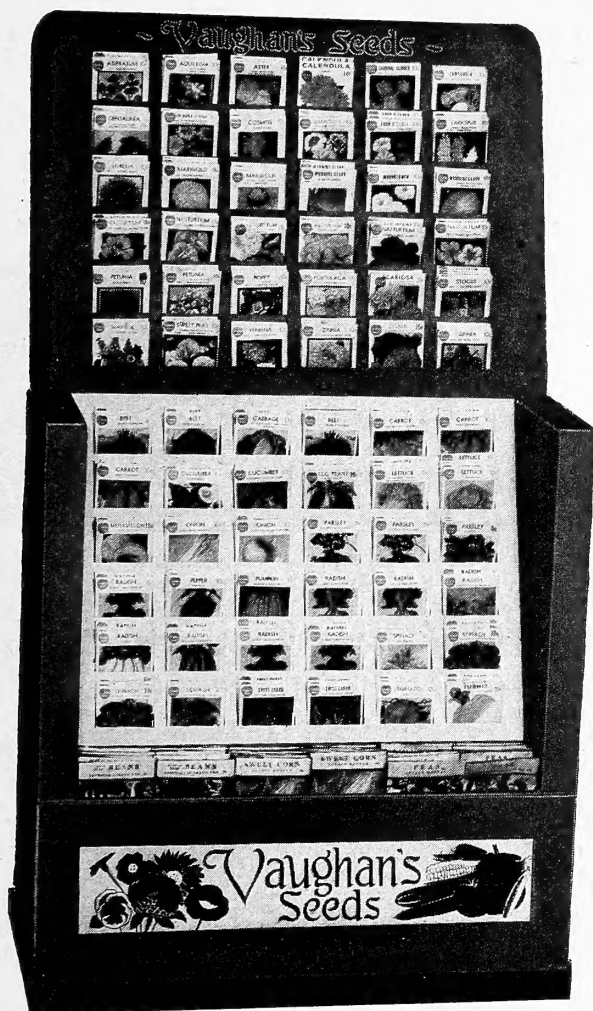
### GREENHOUSE

Table Fern Seedlings

Planted in July	Benching	Blooming	Culture
Antirrhinum	Aug.	Xmas & later	Pinch about Aug. 30 to 3 or 4 sets of leaves.
Boston Yellow Daisies	Nov. 15	Feb. on	Start cuttings.
Boston Yellow Daisies	Nov. 1	Jan. 15 on	Lighted start cuttings.
Boston Yellow Daisies	Oct. 1	Dec.-March	Lighted start cuttings.
Calceolaria	Sept.	Feb.-March	Lighted.
Calceolaria	Sept.	Easter-Mother's Day.	
Calendulas	Sept.	November	
Cineraria	Sept.	Jan.-Feb.	Do not pinch.
Feverfew (Matricaria)	Sept.	Feb.-April	Lighted.
Mignonette	Sept.	Nov.-Feb.	Do not pinch. Disbud.
Pansy	Oct.	Nov. on.	Germinates below 68° Far.
Primula Obconica	Sept.	April on.	
Primula Sinensis	Sept.	April on 3" pots.	
Stocks	Aug. 15	Xmas & later	Use early var. Grow below 50° for setting buds.
Stocks	Sept.	Jan.-Feb.	Grow below 50° for setting buds.
Sweet Peas	July	Oct.-Feb.	See August culture.

# Home Gardens Increase as New Homes Are Occupied

Thousands of new families are coming into the garden seed market, starting the sales curve of packet seeds back up toward the wartime peak. New home owners are garden minded and will be looking for both flower and vegetable seeds this spring. Why not get your share of this business? Remember, these gardeners will be buying flowers and plants, as well as seeds. Make sure of an assortment of Vaughan's Seeds by ordering early.



OUR COLORFUL DISPLAY RACK

## Attractive Two-Tone Display Rack

For 1949 our light-weight, decorative display rack will be made in combination of buff and green, which is attractive in itself and will harmonize with your store display.

Design and construction of the rack will follow the model which has proved so satisfactory last year.

The illustration shows how it holds each variety where the customer can see it.

The dimensions of this rack are: 30 inches wide, 15 inches deep, on the floor. The height is 55 inches, nicely calculated to combine maximum visibility of packets, and convenient self-service, while at the same time it does not obstruct a clear view of the store, which many feel is important.

Your new rack will be light, yet strong, easily moved about. It is made in the modern manner, of heavy matboard, and comes to you brand new. One rack will hold \$100 worth of packets.

**Our New Packets.** All flower seed packets of 1949 will be 3¼ by 4½ inches, same size as vegetable packets, and all racks will be interchangeable, serving for either flower or vegetable seed.

**Brilliantly Colored Posters and Streamers.** Color sells everything now-a-days and nowhere is it more necessary than in selling the garden. Vaughan's posters are modern, artistic, brilliant. They will dress up your store and give it the atmosphere of spring, helping business in every line.

VAUGHAN'S SEED STORE, 601 W. Jackson Blvd., Chicago, Ill.

Please forward in due season an assortment of Vaughan's seeds for 1949.

The undersigned will pay upon request for all seeds at retail prices less 40%. He agrees to sell at such time, and Vaughan's Seed Store agrees to purchase all seeds then in good condition at retail prices less 40%. This purchase will be credited against the amount due from the undersigned.

The undersigned further agrees, when the season is ended, to destroy the display rack furnished by Vaughan's Seed Store.

Your Firm Name \_\_\_\_\_

Your Address \_\_\_\_\_

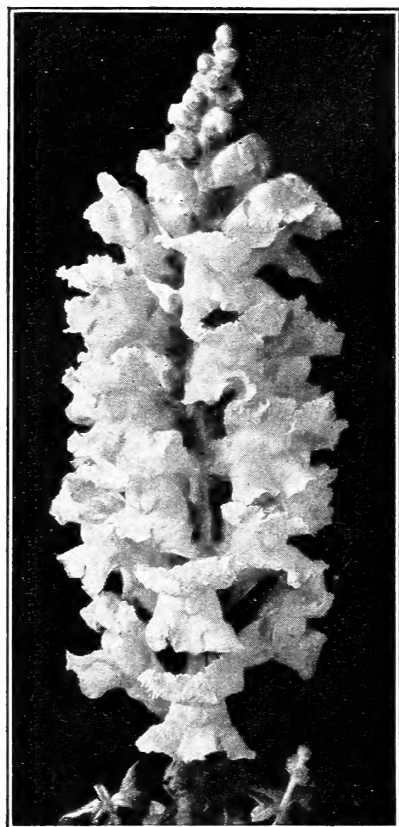
Sign here \_\_\_\_\_



# New Flowers and Specialties

## New Aster for Florists

**Princess Linda.** 2 to 2½ ft. Pure, clear rose, a new florist color in this popular type. Flowers have deep crested centers with multiple rows of guard petals. Excellent for cutting. Trade Pkt., 35c; ¼ oz., 80c; Oz., \$2.80.



ANTIRRHINUM GIANT RUFFLED  
"TETRA"

## NEW FORCING

### Snap

**Goldrush.** A hybrid for greenhouse forcing to fill the need for a vigorous, free-flowering yellow snapdragon. The large florets are deep Jonquil yellow slightly ruffled, producing a long, well filled spike. Sown early it will yield up to three full crops; very uniform. Seed available May 1949, but limited in quantity, so order in advance. Trade pkt., \$3.00; ½ Trade pkt., \$1.75.

**Giant Ruffled "Tetra" Superfine Mixed.** 2½ ft. A new race of Snapdragons created scientifically, which made a fundamental change in the cell formation, resulting in larger flowers, with thicker petals, attractively ruffled, fuller spikes with more florets open at one time, heavier stems and sturdier plants. Each plant produces a central spike surrounded by lesser ones.

Mixture includes a complete range of snapdragon colors. Tr. pkt., 50c; ¼ oz., \$1.25; ½ oz., \$2.25; ¾ oz., \$4.00; oz., \$14.00.

**Dandy.** (Nanum Grandiflorum). Flowers are a glowing orange, with white tube, very brilliant for combination work. Trade pkt., 25c; ¼ oz., 75c.

## Improved Begonias

**Double Tuberous Rooted Vaughan's Special Mixture.** This cream of a specialist's collection contains the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Trade pkt., \$2.50.

## Garden-type Carnations

**Malmaison J. M. Bridgeford.** Of sturdy habit, upright growing plant bearing large flowers, 3½ to 4 inches across, all being of equal size. The chief merit lies in the extensive color range. Some 25 different colors have been counted. Trade pkt., 50c; ½ oz., \$1.10; ¼ oz., \$2.00.

## Scotch Columbine

**Celestial Blue.** An outstanding Scotch Novelty. Large flowered, with long spurs. Petals are rich blue, corolla and spurs lighter blue. Comes true from seed. Trade pkt., 75c.

## Centaurea Cyanus

**Polar Gem.** A dwarf compact plant covered with pure white double flowers, foliage forms a tufted mass of bright green. A companion to Jubilee Gem. Tr. pkt., 35c; ¼ oz., 60c; oz., \$2.00.



ASTER PRINCESS LINDA

## Seed of Giant Flowered Dahlias

**Vaughan's De Luxe Mixture.** An outstanding mixture containing all the Formal and Informal Decorative, as well as Cactus and Semi-Cactus Flowered varieties. 100 seeds \$2.00.

## A Florists' Sunflower

**Silver Gold.** 4 ft. A new strain with silvery-green foliage. A profuse bloomer, with large golden 3 inch flowers, on long stems. Excellent for cutting. Trade pkt., 25c; ¼ oz., 75c.

## Bush Heavenly Blue Morning Glory

**Blue Mound.** A mutant of Clarke's Heavenly Blue which grows as a non-running bush. The growth is compact and the mound of foliage is covered with blooms identical with Heavenly Blue. Trade pkt., 35c; ¼ oz., 75c; oz., \$2.25.

## Sky-Blue Star Morning Glory

**Blue Star.** Large flowers of clear sky blue accentuated by five deep blue mid-ribs forming a star. The flowers are larger and earlier than Clarke's Early Heavenly Blue, averaging 4 to 4½ inches and on cloudy days remain open well into afternoon. Trade pkt., 35c; ¼ oz., 75c; oz., \$2.25.

## Double Annual Hollyhock

**Indian Summer.** An annual Hollyhock strain, of a wide range of colors, and all the beauty of perennial type. Flowers quickly from seed. Trade pkt., 50c.

## Gloxinia from Switzerland

**Swiss Emblem** (Hybrida Gigantea). Brilliant scarlet red with white markings. An outstanding variety. Trade pkt., \$1.50.





CALENDULA APRICOT BEAUTY

### *Pacific Beauty Calendulas.*

A new strain with uniformly large flowers of better formation, longer and straighter stems and more resistance to summer heat.

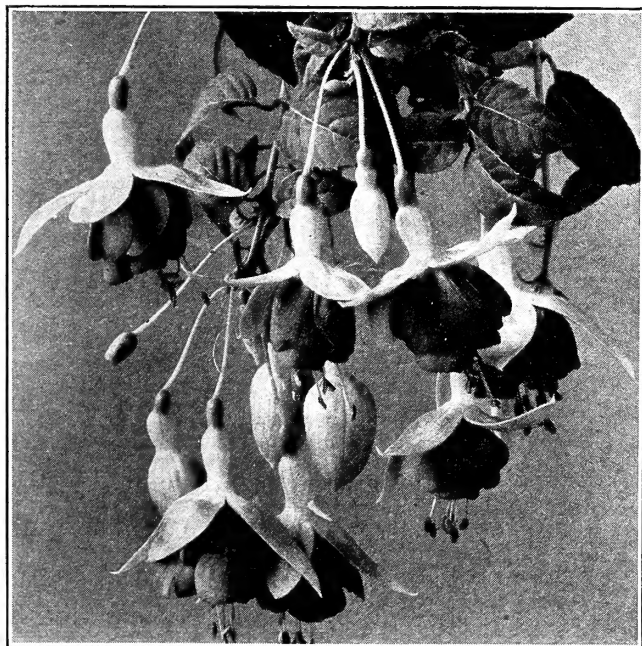
**Apricot Beauty.** An attractive two-toned effect; a far better apricot colored variety than previously offered.

**Cream Beauty.** Creamy-white, shading to soft yellow. A delicate color, which combines well with others.

**Lemon Beauty.** Pure lemon yellow; centers well covered with wide incurving petals.

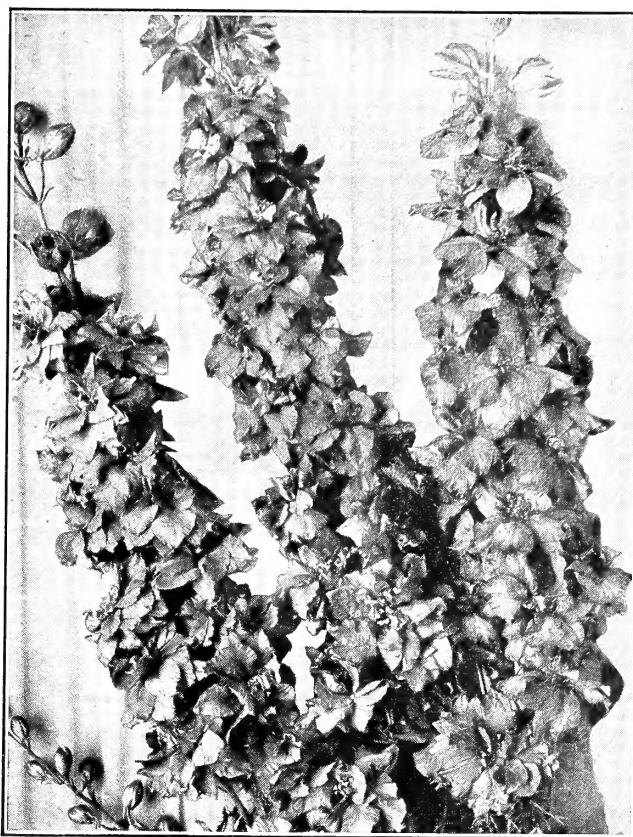
**Persimmon Beauty.** A true persimmon-orange of unusual size and brilliance, with long graceful petals.

**Pacific Beauty Mixed.** A blend of the above. Each, trade pkt., 35c; ¼ oz., 50c; oz., \$1.50.



### *New Fuchsia Hybrids*

**Superb Mixture.** An outstanding mixture produced by crosses between named varieties, doubles and singles. Will produce new hybrid varieties as well as parent types. 250 seeds \$3.00; 500 seeds, \$5.00; 1000 seeds, \$9.00.



LARKSPUR REGAL ROSE

### *New Larkspurs Take the Lead.*

**Supreme.** An entirely new strain of Giant Imperial or base branching Larkspur, in colors greatly improved over others. Plants have an ideal upright habit, with spikes on which large fully double flowers with broad petals are closely spaced.

**Lilac Supreme.** A pleasing clear lilac.

**Rose Supreme.** Clearer and deeper rose than the popular Stock Flowered Rosamond.

**Salmon Supreme.** True salmon, much stronger than other salmon pinks.

**White Supreme.** A true white, without a trace of pink.

Each, Trade pkt., 35c; ½ oz., \$1.00; oz., \$1.80; ¼ lb., \$6.00; Lb., \$18.00.

**Regal Rose.** This new strain retains the compact basal branching habit of the Giant Imperials but has a tremendously long spike of well-spaced florets. Plants are extremely vigorous and quite early. A rich Florist's rose color. Trade pkt., 50c; ¼ oz., 90c; ½ oz., \$1.50; oz., \$2.70; ¼ lb., \$9.00; Lb., \$27.00.

### FOUR NOVELTY KALANCHOES

Excellent for pot culture and cutting

**Alfred Graesser.** A strong hybrid with very free-flowering habit. Rich scarlet-red. Trade pkt., \$1.75.

**Bonfire.** Individual flowers three times as large as the type. Glowing orange-scarlet. Trade pkt., \$1.25.

**Brilliant Star.** Makes a fine pot plant producing flowers 3 times the size of the common varieties and of a brighter fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 5 inches long which are suitable for cutting, especially if benched. Trade pkt., (800 seeds) \$1.50.

**Ernst Thiede.** A sport from Kalanchoe Blossfeldiana Selecta. Very dwarf, compact growth. Free-flowering, glowing red. Trade pkt., \$1.25.

### *Golden Xmas Cherry*

**Solanum Gold Ball** (Pattersoni). A yellow form of the popular Patterson variety. ¼ oz., 75c; Trade pkt., 35c.

## Grow This Lily from Seed

**Philippinense Formosanum Snowdrift.** An improvement on the old type. Blooms early in July under glass and flowers within 10 months from sowing. Grows 4 to 6 ft. often with 10 or 12 flowers, having trumpets 6 to 7 inches across. Trade pkt., \$1.00.

## Light Blue, Dwarf Growing, Linum

**Collinum.** Flower a lighter blue than Narbonense, and much dwarfer in habit. Very floriferous and a long bloomer. Trade pkt., 50c; ¼ oz., \$1.50; oz., \$5.00.

## Marigold

**Cupid.** Another one of the odorless foliaged Marigolds. Dwarf in habit, large primrose yellow chrysanthemum-like flowers completely cover the plant. Excellent for flats and combination work. The flowers are 2 to 2½ in. across and the plants are only 6 inches tall. Trade pkt., 35c; ⅛ oz., 65c; ¼ oz., \$1.10; oz., \$3.80.

**Red Head.** Bronze Medal. Large single-crested flowers 2 in. across, with broad, overlapping, gracefully recurved petals—opening rich mahogany, changing to auburn and later to bronzy gold. The crested center is made up of tiny erect golden petals edged with maroon. Compact, dwarf plants about 1 ft. high and 1½ ft. across, completely covered with flowers. Trade pkt., 35c; ⅛ oz., 60c; ¼ oz., \$1.00; oz., 3.00.

**Naughty Marietta.** All America Honorable Mention 1947. Golden yellow flowers with a mahogany base, 2 to 2½ in. across. Dwarf single French showy plants about 12 in. tall and 16 in. wide, completely covered with bloom. Trade pkt., 35c; ⅛ oz., 50c; ¼ oz., 85c; oz., \$2.50.

## These are on our Back Cover

**Vaughan's Super Maple Leaf Mixture** (Canadian Giants). Improved selection of the distinct variety Maple Leaf Giants we introduced some years ago, having large leaves of a rich dark green and flowers of gigantic size and heavy substance with good stems in a beautiful color range; plants of compact and sturdy growth. Illustrated in color on our Back Cover. Trade pkt., 90c; ⅛ oz., \$1.75; ¼ oz., \$3.00; oz., \$10.00.

## Soft Yellow Annual Phlox

**Mellow Moon.** A soft pastel yellow. Typical florets are 1¼ to 1½ inches in large clusters on moderately low plants. Trade pkt., 50c; ¼ oz., \$1.25; oz., \$4.00.

## Seed of Salmon Orientals

**Salmon Shades.** An outstanding strain of salmon shades ranging from light to dark; extra large flowers. Trade pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.

## Darkest Blue Scabiosa

**Oxford Blue.** A deep campanula blue, never before seen in Scabiosas. This extends the color range far beyond Ageratum Blue or Blue Moon. The stems are long and the giant flowers fully double. Trade pkt., 25c; ¼ oz., 65c; oz., \$2.20.

## New Color in Iceland Poppy

**Yellow Emperor.** 18 in. A true Nudicaule of clear lemon yellow, having the vigor, wiry stems and large flowers of the type. Flowers 3½ to 4 inches, on low bushy plants. Trade pkt., 35c; ⅛ oz., 60c; ¼ oz., \$1.00.

## Torenia

**Fournieri.** Makes a fine pot plant for Mother's day sales. Also good in combination baskets. Flowers blue with dark blotches on lip. 12 in. Trade pkt., 50c; ⅛ oz., \$1.10.

**Fournieri Compacta.** Dwarf form of above. 8 in. Trade pkt., 35c; ⅛ oz., \$1.15; ¼ oz., \$2.00.

**Fournieri White.** Trade pkt., 35c; ⅛ oz., \$1.15; ¼ oz., \$2.00.

## Bushy Verbena of Mid-blue

**Starlight.** A bright mid-blue with creamy white eye. Plants are uniform, bushy, 8 to 10 inches high and 12 to 15 inches across, with the flower heads practically touching each other. An excellent companion to Giant Salmon Queen, a novelty of last year. Trade pkt., 50c; ¼ oz., \$1.20; oz., \$4.00.

## About All-Double Petunias

The All Double Victorious Strain of Petunia is sold out for the season. Due to most unfavorable conditions at the time of harvest, supply was limited. We recommend you give every consideration to the Pan-American Strain (illustrated in color on our Inside Front Cover) as well as the Colossal Shades of Rose and America.

**Colossal Shades of Rose.** Double blooms up to 5 inches across are borne on compact plants, suited for pots. Colors come in rich rose shades from salmon-pink through rose-pink to deep rose-mauve. ½ Trade pkt., (500 seeds) \$1.50; Trade pkt., (1000 seeds) \$2.50; 1/128 oz., \$5.00; ¼ oz., \$9.00.

**All Double America.** This bears medium sized rose-pink flowers, 100 per cent carnation type. An abundant bloomer from early summer to frost; for bedding and cutting. True and uniform. ½ Trade pkt., (500 seeds) \$1.25; Trade pkt., (1000 seeds) \$2.00; ¼ oz., \$6.50; ½ oz., \$12.00.

## Pan-American Strain

We are glad to offer this year a wider selection of seed of these ever-popular florists plants.

**Allegro.** Large double fringed deep salmon flowers. A beautiful new color in this class that will appeal to many customers.

**Caprice.** Double deep fringed bright rose flowers on dwarf-growing plants. A very attractive color that will sell on sight.

**Nocturne.** A deep midnight-purple or Elks, Pride purple. Flowers somewhat semidouble.

**Sonata.** Large, double, pure white flowers. Fine for Mother's day. Recommend pinching to induce branching.

Each of above: 500 seeds, \$2.50; 1,000 seeds, \$4.00.

**Glorious Mixture.** Contains tall and dwarf types in all of the above colors. This formula mixture is first class in every respect. 500 seeds, \$2.00; 1,000 seeds, \$3.50; 1/128 oz., \$6.50; ¼ oz., \$12.00; ½ oz., \$21.00.

## All the Newer Petunias

**Carmencita** (Grandiflora Single). A salmon-scarlet deeper than anything seen so far. Scarlet Petunias usually turn out to be only deep shades of rose. This is almost a true scarlet-orange. The dwarf plants are covered with fringed flowers. Perfect for pots. Trade pkt., \$1.00.

**Dwarf California Giants** Improved (Vaughan Blend). Flowers of largest size are borne on dwarf plants, a type ideal for pots and bedding. Flower when the plants are very small, so salables are quickly produced. They are bushy, 12 in. high and bear their deeply ruffled flowers freely. Dark colors predominate. Illustrated on our Front Cover. Trade pkt., \$1.25; ½ trade pkt., 75c; ¼ oz., \$2.50; ½ oz., \$4.50; ¼ oz., \$8.00.

**Glowing Rose** (Hybrida Nana Compacta). Compact plants of unusual uniformity, are covered with glowing-rose flowers larger than most other dwarf varieties. Blooms early and continues all season, ideal for edging. Trade pkt., 50c; ⅛ oz., 90c; ¼ oz., \$1.60.

**Ruffled Nana Compacta Vaughan's Little Giant** (Illustrated in color on our Inside Front Cover). An ideal bedding and pot plant variety which has met with widespread acceptance by florists. It forms a low mound completely covered by flowers. Blooms are well ruffled and waved, and while of medium size, seem much larger because of the dwarf nature of the plant. Colors are bright and clear, ranging from deep crimson to white, in a great variety of blends and variegations, including many soft pinks and reds. Trade pkt., 75c; ¼ oz., \$1.40; ½ oz., \$2.50; ¼ oz., \$4.50.

**Royalty** (Grandiflora Fringed). Immense ruffled blossoms ranging from pure white touched with purple through varying proportions of purple and white to rich self colored blooms. All these combinations may appear on one plant. Illustrated on inside front cover. Trade pkt., 50c; ¼ oz., \$1.50; ½ oz., \$2.75.

**White Mound** (Grandiflora Fringed). A perfect mound of large fringed blossoms. Excellent for cemetery planting and perfectly adaptable for pot and bedding use. Trade pkt., 75c; ¼ oz., \$1.75; ½ oz., \$3.00.

**The Art** (Grandiflora Fringed). Large fringed flowers boldly striped and blotched brilliant carmine-rose and pure white. Base branching in habit, an excellent cut flower. Trade pkt., 50c; ¼ oz., \$1.75.

**Fringed Snowstorm.** Deeply fringed 2½ to 3 in. flowers are pure glistening white with a tinge of yellow in the throat. Habit is dwarf spreading, making it ideal for pot and bedding use. Trade pkt., \$1.00; ¼ oz., \$1.50.

# Vaughan's The World's Best Flower Seeds

If sold out of any variety ordered, we will supply a similar one of equal or superior quality, unless otherwise specified on your order.

**TESTING** Every lot of flower seed sold by us is tested in OUR OWN laboratory, where we prove the germination and make certain that the percentage is up to the high level of our standards.

**Flower Seeds for Summer Sowing**—We issue a special catalogue in June. Should you fail to receive one, please write for it.

**For Seeds of Perennials and Biennials**, see Pages 37 to 49.

**Trade packets** contain considerably more seed than ordinary or retail packets, being based on Florists' needs for commercial purposes.

Florists invariably get trade packets unless otherwise specified.

Quantities of  $\frac{1}{4}$  lb. and over are charged at the pound rate, unless stated otherwise;  $\frac{1}{8}$  lb. is at the oz. rate;  $\frac{1}{2}$  oz. is at the ounce rate only when the price per ounce is 20c or more and  $\frac{1}{2}$  oz. rate is not otherwise quoted.

We do not sell  $\frac{1}{2}$  oz. where the price per ounce is 15c or less.

**Cash Discounts on Flower Seeds:** On all orders for flower seeds, totaling less than \$25.00, 5%, and over \$25.00, 8%, may be deducted if cash is enclosed. Cyclamen: 5% on 10,000 to 25,000 seeds; 10% on all orders over 25,000 seeds for cash. Vogt's Double Cyclamen, no quantity discount.

**Abutilon Hybridum Maximum Mixed.** Giant flowers. Trade pkt. Oz. leaves very ornamental and often variegated. 3 to 4 ft. \$0.35

**Acroclinium Double Giant Mixture.** Excellent fresh cut flower. When used for winter bouquets, cut when buds begin to open.  $\frac{1}{4}$  oz., 30c .15 \$1.00

**Agapanthus Umbellatus** (Blue Lily of the Nile). Does well out of doors in all southern states.  $\frac{1}{4}$  oz., 65c .35 2.40

**Agathea Coelestis** (Blue Daisy). Very free flowering, fine for cutting. Start seed early. 30 in.  $\frac{1}{4}$  oz., 60c .25

## Ageratum

Sow seed early to have good sized plants for spring. Plants from seed will vary some in habit.

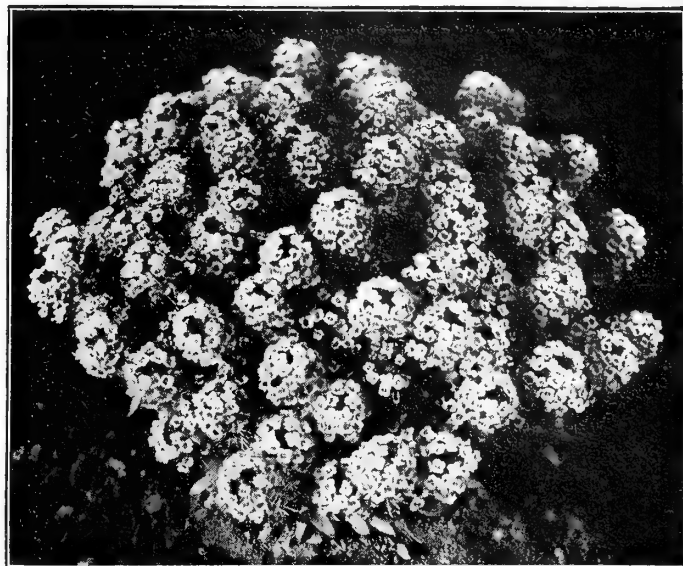
**Mexicanum.** Tall blue, for cutting. 2 ft.  $\frac{1}{4}$  oz. 50c .25 1.50

**Album.** Tall white, 2 ft.  $\frac{1}{4}$  oz. 50c .25 1.50

**Blue Ball Improved.** 4-5 in.  $\frac{1}{4}$  oz., 90c .35 3.20

**Blue Bedder.** 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball.  $\frac{1}{8}$  oz. 85c;  $\frac{1}{4}$  oz., \$1.50 .35

**Blue Cap.** 4 in. Dwarf compact habit. True blue flowers. Very uniform.  $\frac{1}{4}$  oz., 90c .35 3.20



ALYSSUM Vaughan's Little Gem

### AGERATUM MEXICANUM—Continued

Trade pkt. Oz.

**Blue Perfection.** True blue. 6 in. ....  $\frac{1}{4}$  oz., 40c \$0.20 \$1.40

**Fairy Pink.** Dwarf and compact habit, flowers delightful soft salmon-rose.  $\frac{1}{8}$  oz. 90c  $\frac{1}{4}$  oz. 1.60 .50 ....

**King of the Blues.** Dwarf, small foliage, clusters deepest blue flowers. ....  $\frac{1}{4}$  oz., 90c .35 3.20

**Little Blue Star.** Tiny bushes, flowers light blue with red center. 4 in. ....  $\frac{1}{4}$  oz., 65c .25 2.40

**Midget Blue.** A delightful little plant being uniformly dwarf and true to color from seed. The delicate fine foliage is practically smothered with small true Ageratum blue flowers. ....  $\frac{1}{8}$  oz., 85c;  $\frac{1}{4}$  oz., \$1.60 .35 5.50

**Purple Perfection.** Extra dwarf and even strain. The best semi-dwarf deep blue.  $\frac{1}{4}$  oz., 40c .20 1.40

**Golden (Lonas Inodora)** 10 in. Clustered fluffy flowers of a rich yellow. Excellent for edgings.  $\frac{1}{16}$  oz., 90c .50 ....

**Lasseauxi.** Clear pink, excellent as cut flowers. 2 ft. ....  $\frac{1}{4}$  oz., 80c. .35 ....

**Aloe Variegata** or "Partridge Breast Aloe," the finest and most favored quick growing succulent with beautifully variegated leaves. Seedlings of 9 to 12 months of age, potted up in Tom Thumb pots, are salable in unlimited quantity. 100 seeds, \$1.50; 500 seeds, \$6.50; 1,000 seeds, \$11.00.

**Alyssum Maritimum** (Sweet Alyssum). 10 in. 1 lb., \$2.80 .10 .30

**Snow Cloth.** A special selection, each plant absolutely flat and a compact mass of white without green center. This variety comes into bloom two weeks earlier than other varieties. ....  $\frac{1}{4}$  oz., 25c; 4 oz., \$2.60 .15 .80

**Vaughan's Little Gem.** Although one of the older standard varieties, we believe our strain surpasses all others for uniformity of height and form. It makes a neat, compact edging plant. 6 in.,  $\frac{1}{4}$  oz., 30c; 4 oz., \$3.50. .... .15 1.00

**Violet Queen.** A very pretty bright violet tint. It has the usual honey-like odor of the white variety. ....  $\frac{1}{4}$  oz., 40c .15 1.20

**Compactum Lutescens.** Straw yellow. 6 in. .... .25 .80



AGERATUM Midget Blue



# "SNAPS" For Greenhouse Forcing



ANTIRRHINUM MARGARET. Trade Pkt., \$2.00

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

Varieties followed by (X) are sold in ½ trade pkts. at 60c each. Varieties preceded by a star (\*) are best for early winter flowering.

## YELLOW

- \***Carol Jean** (Dornacher). A shade lighter than Ethel. Has no wild growth whatever. Will not shatter. .... Tr.pkt. \$2.00
- \***Ceylon Court. Dark Selection.** Canary yellow. Our introduction X ..... 1.00
- Coate's Yellow Perfection.** Deep golden yellow. Spring flowering X ..... 1.00
- \***Ethel.** Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow and shatterproof. .... 1.50
- Frances Schlegel.** In color a golden daffodil yellow, retaining color under any weather conditions; a good stem with no excess grassy growth and an excellent producer (averages five spikes to a plant)..... 2.00
- \***Gilbert's Yellow.** Bright yellow. Sown July 1st and pinched September 15th, will start to bloom in November and blooms the whole season. Gives a high percentage of first grade flowers. .... 2.00
- \***Goldie** (Windmiller). Deep early yellow. .... 1.50
- Junglewood Lemon.** Of a cream or lemon shade, considerably lighter than yellow. Has identical growing characteristics to the Junglewood Yellow. Sow early..... ½ Trade pkt., \$1.25 2.00
- Junglewood Yellow.** Large rich yellow flower. Vigorous, strong grower. Exceptionally heavy spike and stem. Mid-season blooming. Remarkably free of side growth, non-shattering. Height about four feet. Must be sown early. .... ½ Trade pkt. \$1.25 2.00
- Klondyke Supreme.** Deep intense golden yellow with extra large individual florets. .... 1.00
- \***Schlegel's Yellow.** Early and vigorous grower for early and late flowering. .... 1.50

## YELLOW—Continueud

- Sunray.** Large well placed yellow flowers on strong stems, a good shipper, has no grassy growth. .... Tr. pkt. \$1.50
- Witterstaetter's Yellow.** A large floreted strong deep yellow spike of vigorous non-grassy growth which can be pinched low. Should be planted after "Mums" ..... 2.50
- Yellow Peggy Schumann.** Has all the characteristics of Pink Peggy. Earlier and far superior to the old Schumann Yellow. .... 2.00
- \***Yellow Wonder** Early and free flowering. Has a good stiff stem, a fine commercial variety. .... 1.50

## WHITE

- Feist's White** (West Hills). A true sport of Cheviot Maid. Clear white with a touch of yellow on the lip. .... 2.00
- Junglewood White** (Junglewood Greenhouses). Dazzling white; deep green foliage; tall, sturdy, whiplike stems; long spikes of closely set florets; a shatterproof quality, which permits an unusual number of flowers to be open before cutting, must be sown early. .... ½ Trade pkt., \$1.25 2.00
- \***Koester's White.** It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers. .... 1.50
- \***Lucky Strike Improved.** Popular pure white, grows three to four feet with full spike of flowers. Blooms earlier than the original; does not drop or shatter. .... 1.50
- Madeline.** New. Pure white. .... 3.00
- \***Margaret** (Yoder). A winterblooming ivory white, whiter than the old Lucky Strike but not as white as White Wonder. The stem is exceptionally stiff and there is almost no sidegrowth. The florets are of medium size; last a long time and do not shed. .... 2.00
- Marion White** (Schumann). A real white, large close flowering spike on a strong, sturdy stem, throwing small foliage. .... 1.50
- Peace** (Ball). Large closely set florets of pure white on long, wiry stems. The unusually rich dark green foliage contrasts vividly with the snowy whiteness of its flowers. .... 1.50
- \***Schlegel's White.** Early and vigorous grower for early and late planting. .... 1.50
- Snowdrift** (Double). New. White. Sold out until new crop ready in June. ½ Trade pkt., (1000 seeds) \$1.75; Trade pkt., (2000 seeds) ..... 3.00
- Snow White** (Windmiller). A late white, on long stems, for Easter and Mothers' Day. .... 1.50
- Westover's Fringed Early White** (Windmiller). An early development of Westover's Fringed White—an ideal wedding bouquet white—good early or late. .... 1.50
- White Peggy Schumann.** Has the same characteristics of the popular Pink Peggy but blooms earlier. .... 2.00
- \***White Wonder Improved.** Longer and better stems with flowers well placed—keeping the pure white color of original. .... 1.50

## LAVENDER

- Ball's Lavender.** A rich lilac lavender, fine spike and long stemmed. .... 1.50
- Schumann's Lavender.** Excellent, large flowered rosy lavender for spring blooming. Full heavy spikes. .... 2.00
- \***Windmiller's Lilac.** Excellent orchid, true to type and color, early, hard wiry stems, small foliage, productive. .... 2.00
- Witterstaetter's Orchid.** A large well spaced spike, with a rich, even orchid color; can be pinched low. Mid-season variety. .... 2.50

## RED

- Red Lips.** Wine-red with gold lip and white tube. .... 2.00
- Schumann's Velvet Red** is a true dark red velvet, an early bloomer ..... 3.00
- \***Shisler's Red,** a glowing wine-red, 100% true to color, uniform growth with an excellent stem free of grass. If sown July 5th and pinched September 15th, it will bloom from Thanksgiving on. .... 2.00
- Velvet Beauty.** Rich American Beauty crimson. .... 1.00
- Velvet Supreme.** A rich velvety scarlet crimson. .... 1.50
- Greenhouse Varieties Vaughan's Special Mixture.** With pinks predominating. .... 1.00



# "SNAPS" For Greenhouse Forcing—Cont'd

## BRONZE SHADES

<b>Afterglow.</b> Golden bronze Spring flowering X.....	Trade pkt.	\$1.00
<b>Bronze Christmas Cheer</b> (Schlegel). A bright copper hood with lower part shading from deep gold to apricot. Well placed 1 3/4 to 2 inch individual florets. No grassy growth.	2.00	
<b>Bronze Peggy Schumann.</b> Same type as other Schumann varieties but flowers earlier than Pink Peggy.....	2.00	
<b>*Gilbert's Bronze Beauty.</b> This variety is early flowering; seed sown in July blooms in November through Spring. Flowers have upper lips of dark brown with lower lips yellowish bronze.....	1.50	
<b>*Glorious</b> (Frank). A highly attractive reddish copper with yellow lip. Popular in Chicago retail trade. Early flowering, none quicker on a comeback after first crop is off.....	1.00	
<b>*Ideal Improved</b> (Hodaly). A blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Winter-flowering strain, blooming in four months from seed	1.50	
<b>*Lady Dorothy.</b> Red-bronze with a glowing quality under artificial light. The color is somewhat similar to Glorious, but it is a true winter-flowering variety.....	3.00	
<b>Miss Wooster.</b> The color is a dazzling rich dark bronze. It is an ideal shipping variety.....	1.00	
<b>*Sunlight.</b> Improved Suntan, finest early golden bronze X...	1.00	
<b>*Suntan.</b> Rose shade of tan with tinge of yellow on lip. Early blooming X.....	1.00	
<b>Talisman</b> (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination....	2.00	
<b>Witterstaetter's Bronze.</b> Well spaced spike, with a bright clear gold color. Can be pinched low. Should be planted after "Mums".....	2.50	

## PINK AND ROSE SHADES

<b>America</b> (Hodaly). Brilliant rose pink with orange lip, blending into pure lemon. The heads are sixteen to twenty-five inches long, carrying well set, large florets.....	1.50	
<b>*Ball's Early Pink.</b> Rose pink.....	1.00	
<b>*Better Times</b> (Windmiller). A real American Beauty rose red. It is a first cross like Christmas Cheer but a deeper color. Excellent for Christmas and Valentine's Day.....	2.00	
<b>Cheviot Maid, Reselected.</b> Deep rose-pink X.....	1.00	
<b>*Christmas Cheer</b> (Windmiller). Sold out until new crop ready in June..... 1/2 Trade pkt. \$1.75	3.00	
<b>*Daybreak.</b> Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer X.....	1.00	
<b>Delworth's Supreme.</b> A Canadian introduction by the well known grower Cecil Delworth. It is a selection of Cheviot Maid, made over a period of ten years for earliness and uniformity.....	1.50	
<b>*Dorcas Jane</b> (Yoder). Light pink slightly larger flower than Mary Ellen and shade deeper and a little earlier. With a clean habit of growth and outstanding vigor..... 1/2 Trade pkt. (1,000 seeds) \$1.50; 2,000 seeds	2.50	
<b>Gilbert's Pink Queen Supreme.</b> This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads.....	1.50	
<b>La France</b> (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem.....	1.50	
<b>Light Pink Peggy Schumann.</b> Blooms a little earlier than the darker variety.....	2.00	
<b>Maidens Blush Improved.</b> Appleblossom pink.....	1.50	
<b>Marie Louise.</b> Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set.....	2.00	
<b>*Mary Ellen</b> (Yoder). A light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets..... 1/2 Trade pkt., \$1.50	2.50	
<b>*Maryland Pink</b> (Winkler). Early, light pastel pink. Large flowers..... 1/2 Trade pkt., \$1.75	3.00	
<b>New Cincinnati</b> (Witterstaetter). The finest light rose X...	1.00	
<b>Peggy Schumann Pink.</b> A large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots.....	2.00	
<b>Rose Queen.</b> Dark pink X.....	1.00	
<b>St. Louis Pink</b> (Rowe). Beautiful shade of silvery pink, the well placed flowers being produced on wiry stiff stems. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. Sow early. Spring bloomer.....	1.50	
<b>*Yoder's No. 33.</b> One of the parents of Mary Ellen is uniform light pink, slightly deeper than Mary Ellen but with the same long stems and early flowering habit.....	1.50	



ANTIRRHINUM MAJESTIC HALF DWARF

## "Majestic" Half Dwarf Sorts

A type of Snaps, with flowers of the "Maximum" sorts and height of the "Half Dwarfs." An exceptionally good variety for plant sales and bedding work.

**Avalanche.** Pure White.

**Dawn of Day.** Rose pink and apricot.

**Delight.** Apricot.

**Eldorado.** Yellow.

**Evensong.** Chamois.

**Golden Dawn.** Golden buff, overlaid salmon.

**Orange King.** Rich orange.

**Red Chief.** Rich deep scarlet.

**Rose Beauty.** Rose-pink self.

**Rose Marie.** Light salmon, gold center.

**Twilight.** Delicate rosy salmon.

Trade pkt. Oz.  
Each of the above..... 1/4 oz. \$1.00 \$0.30 ....

Majestic Varieties, mixed..... 1/4 oz., 75c .25 \$2.60

**Rose Princess.** Giant flower, brilliant cerise rose with center overlaid gold..... 1/8 oz., \$1.00 .50 ....

## Large-Flowering Half-Dwarf Sorts

Plants of medium height for bedding and pots.

**Black Prince.** Nearly black, small dark leaves, early.

**Empress.** Rich velvety crimson.

**Flame.** Brilliant scarlet.

**Golden Monarch.** Golden yellow.

**Golden Queen.** Yellow.

**Mauve Queen.** Rosy lilac.

**Prima Donna.** Terra-cotta pink, suffused primrose, excellent for florists' use.

**Purity.** White.

**Red Emperor.** Rich deep scarlet.

**Royal Rose.** Rich deep rose.

Each of the above, 1/4 oz., 80c; Trade pkt., 25c.

**St. George.** Orange cerise, 1/8 oz., 60c; 1/4 oz., \$1.00; Trade pkt., 35c.

**Vaughan's Special Mixture** Semi-tall sorts. 1/4 oz., 55c; oz., \$2.00; trade pkt., 25c.

## ANTIRRHINUM—Continued

## Rust Resistant Strains

By growing Rust-Resistant seed, there is a better germination, plants are more vigorous, foliage remains clean and the flowers are large and of excellent color. There will be a longer flowering season as well.

## MAXIMUM OR SUPER GIANTS—2¾ ft.

Individual flowers are large, with heavy flower spikes. Especially recommended for outdoor cutting and flat sales.

Alaska. White.  
Appleblossom. Rose pink, white tube.  
Campfire. Pure luminous scarlet.  
Canary Yellow.  
Copper Queen. Burnished copper.  
Crimson. Fiery crimson.  
Daffodil. Beautiful two-tone yellow.

Golden Glory. Deepest yellow.  
Indian Summer. Coppery rose scarlet.  
Loveliness. Pure soft rose-pink.  
Pink Sensation. Pure pink, frilled flowers.  
Red Cross. Glowing velvet crimson.  
Salmon Rose Shades.  
Swing Time. Rose-pink.

Trade pkt. Oz.

Each of the above..... ¼ oz., 45c; ¼ oz., 80c \$0.25 \$2.80

Vaughan's Maximum Mixture. Contains all of the above in finely proportioned blend..... ¼ oz., 45c; ¼ oz., 80c .25 2.80

## LARGE FLOWERING DWARF 1½ ft.

Bumble Bee. This is a very novel combination of colors. Crimson with a white tube and a large yellow lip.

Amber and Gold. Du Barry. Flaming salmon rose.  
Carmine Rose. Ruby. Garnet.  
Dandy. New. Glowing orange. Indian Girl. Beautiful old gold.  
See Novelties. Wild Fire. Bright orange.

Each of above, ¼ oz., 75c; Trade pkt., 25c.

## LARGE FLOWERING TALL 2½ ft.

(Majus Grandiflorum)

Brilliant Rose. True rose pink.

Cherry Rose. New outstanding color. It is the most brilliant shade imaginable of deep cherry rose. The plants are base-branching with straight stems of long spikes all with large well placed flowers.

Daintiness. Rose-pink, white throat.

Orange Shades.

Padre. A glistening crimson, rich and beautiful.

Stoplight. A vivid copper scarlet, both flower and tube being one color.

Amaranthus Molten Fire. Fiery crimson and maroon Trade pkt. Oz.  
..... ¼ oz., 35c \$0.15 \$1.20

Salicifolius (Fountain Plant). Green with bronze, tops blood-red, showy. 30 in. .... ¼ oz., 35c .15 1.20

Tricolor Splendens. Very beautiful foliage. 3 ft. .... ¼ oz., 35c .15 1.20

Vaughan's Special Mixture ..... ¼ oz., 35c .15 1.20

Anagallis Grandiflora Coerulea. Dark blue. 10 in. .... ¼ oz., 35c .20 1.20

Terra Cotta. Red. .... ¼ oz., 35c .20 1.20

Anchusa Capensis Blue Bird. Vivid indigo, 18 in. .... ¼ oz., 25c .15 .75

Aralia Sieboldi. 100 seeds, 35c; 1,000 seeds, \$3.00.

Arctotis Breviscapa Aurantiaca. The daisy-like flowers have dark orange petals which turn lighter toward the center, with a purplish disc. 6 in. .... ¼ oz., \$1.00 .35 ....

Grandis (The African Lilac Daisy). Pure white on upper surface, reverse petals being lilac. Very useful for cutting. 32 in. .... ¼ oz., 30c .15 1.00

Large Flowering Hybrids. Flowers resemble those of Gerbera. Numerous beautiful colors. 2½ to 3 in. across in shades of apricot, bronze, brown, pink, red, scarlet and yellow besides pure white. 1 ft. .... ¼ oz., \$1.00 .35 3.50

Asclepias Curassavica. The heads of orange-red flowers, which arise from the axils of the leaves, are freely produced and long lasting. .... ¼ oz., 75c .25 2.25

## ANTIRRHINUM—Continued

Reveille. Rich yellow.

Rosalie. A rich deep rose with underlying tone of topaz or amber. The tube and lip are the same color. The plants are base-branching and produce 6 to 8 huge flowering spikes.

Salmon Pink.

Shasta. Pure white, extra free flowering.

Yellow Jacket. A clear deep yellow. Trade pkt. Oz.

Each of the above ..... ¼ oz., 75c \$0.25 \$2.80

Vaughan's Majus Grandiflorum Mixture. A truly outstanding blend. .... ¼ oz., 70c .25 2.40

## SUPER MAJESTIC 16 to 20 in.

Extra large flowers with medium long stems.

Harmony. Terra cotta and yellow shaded rose.

Orange Shades Red Rocket Rose Sensation.

Royal Crimson Silver Pink.

Each of above ..... ¼ oz., \$1.00; .35 ....

Vaughan's Super Majestic Mixture. This wonderful mixture contains all of the above varieties plus many other pleasing combinations. .... ¼ oz., 80c .35 ....

Vaughan's Special Mixture. All Rust Proof varieties. Trade pkt., 35c; ¼ oz., 85c; oz., \$3.00.

## Non Resistant Sorts

Velvet Giant. Large flowers with a pronounced Trade pkt. Oz.  
velvety texture and deep crimson hue, attractively illuminated with an under-tone of orange-bronze. Tall growing, base branching, excellent for cutting. ¼ oz., \$1.50; ¼ oz., 85c. .... .35 5.00

## GIANT RUFFLED "TETRA SNAPS"

Superfine Mixed. New. See Novelties.  
..... ¼ oz., \$4.00; ¼ oz., \$2.25; ¼ oz., \$1.25 .50 14.00

## DWARF SORTS

Baby Rose. Very free flowering, compact plants covered with flowers of a deep, pink self tint ..... ¼ oz., \$1.00 \$0.35 ....

Magic Carpet Mixed. A Snapdragon of almost creeping habit, fairly covered during the summer with flowers. Useful for border or rock garden ..... ¼ oz., \$1.00 .35 ....

Tom Thumb. Fine for pots and edging. 6 in. Red, Rose, White, Yellow.

Each of the above ..... ¼ oz., 70c .25 ....

Mixed. .... ¼ oz., 70c .25 ....

## Asparagus

Plumosus Nanus. Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 30c; 250 seeds, 65c; 1,000 seeds, \$2.00; 5000 seeds, \$9.00; 10,000 seeds, \$17.00.

Sprengeri. 100 seeds, 30c; 250 seeds, 65c; 1,000 seeds, \$2.00; 5000 seeds, \$9.00; 10,000 seeds, \$17.00.

Baileya Multiradiata (Desert Sunray). Grayish-green, woolly stems and foliage, and the flower is 1½ in. across, with a fine ruffle of many bright yellow rays, prettily scalloped, and a yellow center, rather deeper in color. 1 ft. .... ¼ oz., 85c \$0.35 \$2.80

Bachelor Button. See Centaurea Cyanus.

Brachycome Iberidifolia (Swan River Daisy). 12 in. Mixed. .... .20 1.40

Briza Maxima. Graceful panicles which tremble in the slightest breeze. 12 to 18 inches. .... .25 1.00

Briza Minima Gracilis. Dwarf form of the above. .... .25 1.00

Browallia Elata Blue. .... .20 1.00

Viscosa Compacta Sapphire. Dark blue, white eye, dwarf compact plant for pots and bedding. .... ¼ oz., \$1.00; ¼ oz., \$1.80 .35 ....

# Asters

## WILT-RESISTANT

### Protect Asters with Insecticides Containing D.D.T.

To kill leaf hoppers, which transmit the yellow disease, for which there has hitherto been no reliable treatment. Occasional spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. We recommend Protexall D. D. T. 5% dust, and D. D. T. 50% wettable dust. Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections. Whenever a variety can be offered in a wilt resistant strain, we omit its non-resistant counterpart from the list.

As the roots of Asters are produced near the surface, a mulch of some kind spread over them in hot weather is very beneficial and will be repaid by fine plants, large blooms, stronger stems, and more profuse blooming.

### CREGO—2 feet

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect. Comes into bloom in August, continuing well into September. A splendid keeper and shipper.

Azure Blue	Crimson	Lavender	Violet
Blue Flame	Deep Rose	Pink	White
Cattleya (Orchid shades)		Purple	

	Trade pkt.	Oz.
Each of the above.....	1/4 oz., 60c	\$0.30 \$1.85
Crego Mixed, all colors.....	1/4 oz., 50c	.30 1.75

### EARLY BEAUTY—2 to 3 feet

Plants of branching habit, commencing to bloom in early September and lasting until destroyed by frost. Flowers large, borne on long and stout stems, from 18 to 24 inches.

Azure Blue	Crimson	Carmin Rose	Purple	White
September Beauty (delicate shell pink)				
Each of the above.....	1/4 oz., 60c	\$0.30	\$1.85	
Early Beauty Mixed, all colors.....	1/4 oz., 50c	.30	1.75	

### EARLY GIANT

The flowers are full petaled with broad, graceful petals, daintily plumed and intertwined, 4 to 5 inches across. Plants 1 1/2 to 2 ft. tall with branches coming low on the central spike. With practically no laterals or side branches. As early as the Royals and with the large flowers of the Crego type.

Light Blue.....	1/4 oz., 80c	\$0.35	\$2.80
Peachblossom. Opens white, flushes lavender pink.....	1/4 oz., 80c	.35	2.80
Rose Marie. Rich lively shade of rose.....	1/4 oz., 80c	.35	2.80
Early Giant Mixed, three varieties.....	1/4 oz., 80c	.35	2.80

### GIANT BRANCHING

Excellent for cut flowers. The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

Crimson	Pink	Sensation (deep red)
Deep Rose	Purple	White
Lavender		
Each of the above.....	1/4 oz., 60c	\$0.30 \$1.85
Giant Branching Mixed, all colors.....	1/4 oz., 50c	.30 1.75

### PRINCESS NEW CRESTED—2 feet

Princess Asters have full crested centers surrounded by several rows of strong guard petals. Flowers are fine keepers. Early and free bloomers.

**Princess Anne.** Delicate pink turning to rose as they mature.

**Princess Barbara.** Orchid color.

**Princess Bonnie.** Beautiful soft salmon rose with a center of rich gold.

**Princess Golden Sheaf.** Yellow self. By feeding this item heavily and giving partial shade, there will be a fine long stem growth and a good strong yellow color.

**Princess Linda.** New. Clear rose. See Novelties.

**Princess Marsha.** Rich cinnabar scarlet.

**Princess Mixed.** The above..... 1/4 oz., 80c .35 2.80  
Each of above..... 1/4 oz., 80c \$0.35 \$2.80



ASTER ROYAL MIXED

### THE ROYAL—2 feet. Early-Flowering Branching

This type fills a gap between the Queen of the Market and the Late-Flowering Branching Asters. Sown early inside, and planted out with Queen of the Market, it follows that variety very closely.

Lavender	Scarlet
Peachblossom	Shell Pink
Purple	White
Rose-Pink	

	Trade pkt.	Oz.
Each of the above.....	1/4 oz., 60c	\$0.30 \$1.85
Royal Mixed, all colors.....	1/4 oz., 50c	.30 1.75

**Tilford Wilt Resistant.** White, Shell Pink, Purple and Rose. Each, Trade pkt., \$1.00.

### QUEEN OF THE MARKET—18 inches

#### The Standard Early-Flowering Type

Azure Blue	Crimson	Dark Blue	Flesh Pink
Light Blue	Scarlet	White	Rose
	Ballet Queen.	Deep salmon rose	

	Trade pkt.	Oz.
Each of the above.....	1/4 oz., 60c	\$0.30 \$1.85
Queen of Market Mixed, all colors.....	1/4 oz., 50c	.30 1.75

### OTHER VARIETIES

**Ball White. Early.** Selection for resistance has not left this quite so large and fine as the original, but a very excellent white. Sept. 5-10.

**Ball White. Late.** Typical American branching type and habit. Fine long stem and size. Sept. 10-15.

**Ball Phlox Pink.** Fairly light rose-pink, an especially attractive commercial color, with perfect American Branching habit and form. Sept. 5-10.

**Ball Deep Rose.** Extra bright shade of deep rose with attractively incurved petals, medium size, extra long stem and highly resistant. August 20 - Sept. 1.

**Ball Deep Purple.** Attractive bright deep purple.

Each of the above 5 varieties, trade pkt., 30c; 1/4 oz., 60c; oz., \$1.85.

**Giant Mammoth Peony Flowered, Silvery Rose.** Trade pkt. Oz.

Immense, fully double flowers resembling the Beauty type, borne on long, stout non-lateral stems. 2 1/2 to 3 ft..... 1/4 oz., 70c \$0.35 \$2.40

**Heart of France.** Glowing ruby-red..... 1/4 oz., 60c .30 2.00



SUPER GIANT LOS ANGELES

ASTERS Wilt Resistant—Continued

## ASTERS IN MIXTURE

	Trade pkt.	Oz.
Vaughan's Florists' Mixture. Wilt-Resistant Varieties. Perfectly balanced mixture of best commercial colors.....	1/4 oz., 50c	\$0.30 \$1.80
Vaughan's Special Mixture of Wilt-Resistant Varieties. This is a mixture of the most beautiful and distinct colors of the tall-growing Asters. 1/4 oz., 70c		.30 2.40
Single Rainbow Mixture. Wilt-Resistant. This might be considered as a midseason variety, growing 24 to 30 inches tall. It has a good sized single Aster flower in a range of colors almost exclusively various shades of blue, meaning light blue, dark blue and even violet, rose and crimson. There is no white in the mixture and no flesh pink. Upright growth.....	1/4 oz., 50c	.30 1.75

STANDARD BRED ASTERS  
CALIFORNIA GIANTS—2 1/2 to 3 feet

They are of vigorous growth and of the Crego or Ostrich, type of flower. They are partially non-lateral and the blooming season extends from midseason until cut down by frost.

Appleblossom	Crimson	Dark Purple	Deep Rose
Light Purple	Peachblossom	Light Blue	White
Loveliness. Rich, pure pink, touched with salmon.			

	Trade pkt.	Oz.
Each of the above.....	1/4 oz., 75c	\$0.35 \$2.75
California Giants Mixed, all colors....	1/4 oz., 70c	.30 2.50

**Super Giant Los Angeles.** The flowers are large, are most artistic, due to the unusual curling and interlacing of the petals, giving a light feathery effect. The color is a pure shell pink....

**Super Giant El Monte.** Companion to above variety and exactly like it except in color, which is a deep glowing crimson. Blooms early and remains in flower over a long period.....

## IMBRICATED POMPON—20 in.

Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small round Pompon blossoms have an outside row of short guard petals.

Crimson	Light Blue	Scarlet	White
Each of above.....	1/4 oz., 75c	Trade Pkt.	Oz.
Rose. Trade pkts. only, 35c.		\$0.35	\$2.75
Imbricated Pompon Mixed, all colors, 1/4 oz. 75c		.35	2.75

## CALIFORNIA GIANT SUNSHINE ASTERS

These are the result of a cross between the California Giants and Sunshine, hence the name. Plants of this race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are enormous, 4 to 5 and 6 inches in diameter.

	Trade pkt.	Oz.
Mixed, all colors.....	1/4 oz. 75c	\$0.30 \$2.50



BEGONIA, Type of Pink Pearl and Red Pearl.

## Begonias—Fibrous-Rooted

We have divided this family into three sections: the dwarf growing 6 to 8 in.; those of medium height 9 to 11 in.; the taller ones 12 in. and over.

## DWARF, 6 to 8 INCHES

**Pink Pearl.** Of dwarf, compact habit—6 to 8 inches high, Trade pkt. this new Begonia is one of the very best for pot culture. The plants form perfect balls and the flowers are well above the fresh green foliage. We recommend it.....

**Red Pearl.** Same as above in type, and blooming habit. Color, brilliant dark scarlet.....

**Adeline (Improved Darling).** Very dwarfiest habit; bright pink flowers and green foliage, very attractive. 1/4 oz., \$2.50

**Ball Deep Rose.** Identical in habit to Adeline from which it was selected. Under winter and spring conditions the color is a deep rich rosy red which gradually fades to a bright luminous pink with the coming of warmer weather.....

**Ball Red.** Fairly dwarf in growth and of uniform, perfectly rounded habit. The plants are literally covered with medium large flowers of the brightest scarlet red imaginable. Much more brilliant and intense than King of the Reds or Luminosa.....

**Ball White.** The finest white for pot-plant use.....

**Bois de Vaux Rose.** Vivid rose, floriferous pyramidal growth, green metallic foliage, decorated with narrow red border, compact, upright.....

**Dwarf Luminosa.** Bright scarlet, free flowering. Excellent pot plant.....

**Fire Sea. (Blaze of Fire).** Fiery red flowers, green foliage.....

**King of the Reds.** Very dwarf, glowing scarlet, foliage, green edged bronze.....

**Tausendschon.** Flowers lustrous rose, absolutely even in growth and color. Plants are one mass of bloom.....

**Winter Romance.** Carmine rose, green foliage.....

**Vaughan's Special Mixture of Dwarf Varieties for pots and bedding.....**



**BEGONIA—Cont. MEDIUM, 9 to 11 INCHES**

	Trade pkt.
<b>Carmen.</b> Bright rose flowers, bronze foliage. . . . . $\frac{1}{64}$ oz., \$2.50	1.00
<b>Elegance.</b> The plant is of bushy habit, medium tall and most free flowering. The individual flowers are large, pink with white center, foliage clear green. . . . .	1.00
<b>Enchantress.</b> Fresh rose color. . . . . $\frac{1}{64}$ oz., \$2.50	1.00
<b>Indian Maid.</b> Bright deep scarlet buds and flowers with deep lustrous bronze foliage. . . . . $\frac{1}{64}$ oz., \$2.50	1.00
<b>Luminosa.</b> Deep dark scarlet flowers, foliage reddish brown. . . . . $\frac{1}{64}$ oz., \$3.00	1.00
<b>Prima Donna.</b> Limpid rose, shading to carmine, most beautiful. . . . . $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50	1.00
<b>Salmon.</b> Glowing shade of salmon. . . . .	.50
<b>Scandinavia Pink.</b> An outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering. . . . . $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00	1.00
<b>Scandinavia Red.</b> Like above except in color. $\frac{1}{64}$ oz., \$2.75	1.00
<b>Snow.</b> Pure white blossoms; green foliage. . . . . $\frac{1}{64}$ oz., \$2.00	1.00
<b>White Pearl.</b> White. . . . .	1.00

**TALL, 12 INCHES AND UP**

<b>Christmas Cheer Red.</b> A very large-flowered variety, color dark crimson-scarlet. . . . . $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50	1.00
<b>Christmas Pink.</b> Identical to above variety only the color is a delightful shade of warm rose-pink. . . . . $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50	1.00
<b>Homeran Crimson.</b> Flowers dark crimson, a little larger than Christmas Cheer, foliage darker green than Homeran Rose. . . . .	1.00
<b>Homeran Rose.</b> A glorious new rose colored Begonia with extra large flowers, clear green foliage. . . . . $\frac{1}{64}$ oz., \$2.50	1.00
<b>Homeran White.</b> Large oval shaped green leaves. Flowers are pure white with the usual yellow center. . . . . $\frac{1}{64}$ oz., \$2.50	1.00
<b>Ile de France.</b> The best white. The foliage is light green. The flowers are $1\frac{1}{4}$ in. to $1\frac{1}{2}$ in., pure white, with bright yellow stamens. They grow in compact form not to exceed 12 in. in height and approximately the same width. Fine for Easter and Mother's Day. . . . . $\frac{1}{64}$ oz., \$2.00	1.00
<b>Illusion.</b> A masterpiece among the Begonias. Flowers attractive rose with a white blotch on every petal. Early flowering. Does well in sun or shade. Foliage is true Begonia green. . . . . $\frac{1}{64}$ oz., \$2.00	1.00
<b>Masterpiece.</b> One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00	1.00
<b>Vernon.</b> Flowers blood red, dark leaves. . . . .	.50
<b>Vaughan's Special Mixture all Varieties.</b> . . . . . $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50	1.00
<b>Double Tuberous Rooted Vaughan's Special Mixture.</b> This cream of a specialist's collection contains the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Leaflet on culture supplied with seed. . . . .	2.50
<b>Rex Hybrids.</b> An outstanding mixture producing a wide range of ornamental leaved Rex Type. . . . .	1.00

**Balsam**

**Bush Balsam.** Flowers appear in clusters on top of stem instead of on sides. When grown in small pots, these make nice plants in bloom for spring sales.

	Trade pkt.	Oz.
<b>Scarlet.</b> . . . . .		
<b>Rose.</b> . . . . .		
<b>White.</b> . . . . .		
<b>White Reflected Rose.</b> . . . . .		
Each of the above. . . . . $\frac{1}{4}$ oz., 60c	\$0.35	\$2.20
<b>Bush Mixed.</b> . . . . . $\frac{1}{4}$ oz., 60c	.35	2.20

**Cactus Seed**

Cacti can easily be grown from seed, and are becoming increasingly popular in the retail trade.

	100 Seeds	1000 Seeds
Cacti. All kinds and forms, mixed. . . . .	\$0.35	\$3.00
<b>Calandrinia Umbellata</b> Amaranth. Crimson violet. Trade pkt. Oz.		
6 in. . . . .	\$0.25	....

**Cacalia (Tassel Flower)**

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Fine for mixed bouquets, 2 ft.

	Trade pkt.	Oz.
<b>Mixed.</b> Scarlet and yellow. $\frac{1}{4}$ oz., 80c; $\frac{1}{2}$ oz., \$1.40	\$0.35	\$2.50



BUSH BALSAM MIXED.

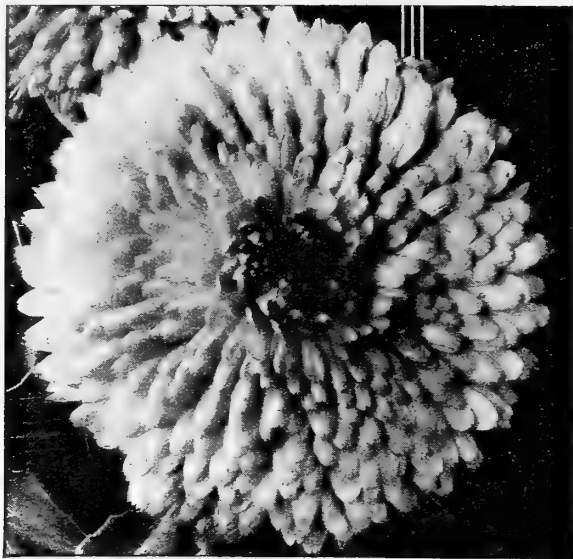
**Calceolaria Hybrida**

Trade pkt. Oz.

<b>Hybrida Grandiflora Triumph Strain.</b> A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. . . . . $\frac{1}{64}$ oz., \$2.75	\$1.25	....
<b>Hybrida Grandiflora Mixed. Extra Choice.</b> Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties. . . . . $\frac{1}{64}$ oz., \$2.40; $\frac{1}{32}$ oz., \$4.40	1.00	....
<b>Hybrida Grandiflora Cloth of Gold.</b> Medium large freely produced, golden yellow flowers, very showy. . . . .	1.00	....
<b>Hybrida Multiflora Nana. Mixed.</b> The average size of the blooms is only $1\frac{1}{2}$ inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make well shaped bushy stock. . . . . $\frac{1}{128}$ oz., \$2.25; $\frac{1}{64}$ oz., \$4.00	1.00	....
<b>Indian Prince.</b> A bright scarlet. . . . . 1-128 oz., \$2.35	1.00	....
<b>Gilbert's Strain Mixed.</b> A selection of the Multiflora Nana type made by a grower in our midwest. Bright colors. . . . .	1.00	....
<b>Gilbert's Red.</b> Multiflora Nana type. . . . .	1.00	....
<b>Gilbert's Yellow.</b> Multiflora Nana type. . . . .	1.00	....
<b>Grandiflora, "Flower Cloud."</b> The most free blooming Calceolaria, in all colors. Of a very vigorous growth and resistant against weather influences. Small flowers in shades of yellow, orange and bronze. . . . . $\frac{1}{128}$ oz., \$3.50	1.50	....
<b>Dwarf Tigered or Spotted.</b> Various spotted shades of red and rosy bronze. . . . . $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50	1.00	....

**Calendula**
**BEDDING VARIETIES**

<b>Apricot Beauty.</b> This new family of Calendulas produces uniformly larger flowers of better formation, longer and straighter stems and more resistance to summer heat. The attractive two-toned effect is more clearly pronounced than in the older type. A lovely apricot. . . . . $\frac{1}{4}$ oz., 50c	.35	1.50
<b>Cream Beauty.</b> New. Creamy White. See Novelties. . . . . $\frac{1}{4}$ oz., 50c.	.35	1.50
<b>Lemon Beauty.</b> New. A pure lemon yellow. See Novelties. . . . . $\frac{1}{4}$ oz., 50c.	.35	1.50
<b>Orange Beauty.</b> 2 ft. Blooms are $3\frac{1}{2}$ in. and more across of curved loose petal formation on long stems. The color is bright, deep orange slightly suffused with yellow at the base of the florets, the inner petals gracefully curling in. . . . . $\frac{1}{4}$ oz., 60c	.40	2.00



CALENDULA VAUGHAN'S IMPROVED SENSATION

## CALENDULA—Continued

Orange King. Select stock. Dark center. The outer petals are slightly imbricated, while those of the center are curved like that of the peony.....	Trade pkt.	Oz.	
..... 1/4 oz., 25c	\$0.15	\$0.85	
Pastel Bedding Mixed. Charming assortment of art shades.....	1/4 oz., 50c	.30	1.60
Persimmon Beauty. New. A true golden-orange. See Novelties.....	1/4 oz., 50c	.35	1.50
Radio. The flowers are medium size, good depth and clear orange. The petals are quilled.....	1/4 oz., 25c	.15	.85
Shaggy Orange. The petals are long and deeply laciniated, orange with darker center.....	1/4 oz., 25c	.15	.85
Sunshine or Chrysanth. Petals long, broad and drooping. Buttercup yellow.....	1/4 oz., 25c	.15	.85
Yellow Colossal. The well formed, bushy plants grow 18 in. high. Flowers are extremely double, 4 1/2 in. and more across and of a clear, bright yellow.....	1/4 oz., 60c	.40	2.00
Vaughan's Special Mixture of bedding varieties.....	1/4 oz., 30c	.20	1.00

## FORCING VARIETIES

These improved varieties, while mainly grown in the greenhouse, can also be grown outdoors for cutting.

<b>Sensation, Vaughan's Improved (Campfire).</b> Long stems; very double, brilliant orange flowers. The blooms are very flat in shape. . . . .	Trade pkt.	Oz.	
..... 1/4 oz., 60c; 2 oz., \$3.50	\$0.40	\$2.00	
Ball Apricot. Light straw or buff color with dark center. . . . .	1/4 oz., 60c; 2 oz., \$3.50	.40	2.00
Ball Gold. Has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange Improved. . . . .	1/4 oz., 60c; 2 oz., \$3.50	.40	2.00
Ball Lemon Queen. Lemon yellow with dark eye. . . . .	1/4 oz., 60c; 2 oz., \$3.50	.40	2.00
Ball Improved Long Orange. Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. . . . .	1/4 oz., 60c; 2 oz., \$3.50	.40	2.00
Ball Orange Improved. Rich orange, light center. Petals slightly notched. . . . .	1/4 oz., 60c; 2 oz., \$3.50	.40	2.00
Ball Masterpiece. Extra long-stemmed, deep orange-brown center. . . . .	1/4 oz., 60c; 2 oz., \$3.50	.40	2.00
Ball White (Moonlight). A beautiful soft cream yellow. . . . .	1/4 oz., 60c	.40	2.00
Vaughan's Special Mixture for greenhouse forcing. . . . .	1/4 oz., 50c	.35	1.50

California Poppy. See Escholtzia.



CANDYTUFT Giant Hyacinth Flowered Select, Pure White

## Annual Canterbury Bells

Blooms from seed in less than six months. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blooms.

	Trade pkt.	Oz.	
Mixed, All Colors. . . . .	1/4 oz., 25c	\$0.15	\$0.80

## Candytuft

**Giant Hyacinth-Flowered, Select, Pure White.** This

is a superior strain; it grows about 1 1/2 feet high, with enormous trusses of blooms. The best strain in existence for florists' use. Sow early in January for Mothers' day . . . . . 4 oz., \$2.60; lb., \$8.00

Umbellata Carminea. Carmine. 12 in. . . . .	1/4 lb., \$1.60	.15	.50
Alba. White. 12 in. . . . .	1/4 lb., 1.60	.15	.50
Flesh-Pink. 12 in. . . . .	1/4 lb., 1.60	.15	.50
Lilacina. Lilac. 12 in. . . . .	1/4 lb., 1.60	.15	.50
Purpurea. Crimson. 12 in. . . . .	1/4 lb., 1.60	.15	.50
Rose Cardinal. Rose-pink. 12 in. . . . .	1/4 lb., 1.60	.15	.50
Vaughan's Special Mixed. . . . .	1/4 lb., 1.60	.15	.50
Dwarf Mixed. For pots or combination baskets. . . . .		.15	.60
Miniature Gem. A neat early flowering rock or border plant 4 in. high. White. . . . .	1/4 oz., 25c	.15	.80

For Gibraltarica, Queen of Italy and Sempervirens, see Perennial Pages.

## Calliopsis

Tall All-Double Mixed. 3 ft. high. The best strain of double flowering Calliopsis. Flowers are semi-double and double, 1 to 1 1/2 inches across, borne on long graceful stems. . . . . 1/4 oz., 25c

Drummond (Golden Crown). Rich golden yellow with a shining maroon central zone. . . . .	.20	.80
Drummond (Golden Wave) Golden yellow with brown-red ring. 20 in. . . . .	.15	.60
Gold Crest (Semi-Double). A rich golden yellow color with a reddish brown zone. Flowers are 2 1/2 to 3 inches across and come with a double row of mammoth petals. . . . .	.20	.80
Vaughan's Special Mixture. . . . .	.15	.60
Dwarf Mixed. . . . .	.15	.40
Dazzler. Dwarf variety. Dark red flowers edged deep golden yellow. . . . .	.15	.60



Fragrant Double Carnations of the *Enfant de Nice* type can be grown in five months from seed

## Carnation

### Vaughan's Early and Perpetual-Flowering

Plants bloom in about five months from sowing and continue to bloom until the end of summer. The flowers are very double, of large size and clove scented. The calyx does not split. They are borne on stiff stems 15 to 18 inches high. Our strain will produce 90% double flowers and comes true to color.

	Deep Rose	Rose-Pink	White	
	Flesh-Pink	Salmon-Rose	Yellow	
	Maroon	Scarlet		Trade pkt. Oz.
Each of above.....	1/4 oz., 90c	\$0.35	\$3.20	
Vaughan's Early and Perpetual-Flowering, mixed	1/4 oz., 90c	.35	3.20	

### Enfant de Nice

They are of compact growth with extremely stiff stems bearing flowers which are up to 2 1/4 to 2 3/4 inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

	White	Rose	
	Salmon	Red	Trade pkt. Oz.
Each of above.....	1/8 oz., \$2.00	\$0.50	....
Mixed, from varieties noted above	1/8 oz., \$1.50; 1/4 oz., \$2.75	.50	\$9.00
Giant Margaret Mixed, 20 in.....	1/4 oz., 65c	.25	2.20
Malmaison J. M. Bridgeford. Of sturdy habit, upright growing plant bearing large flowers. 3 1/2 to 4 inches across, all being of equal size. The chief merit lies in the extensive color range. Some 25 different colors have been counted.	1/8 oz., \$1.10; 1/4 oz., \$2.00	.50	....
Teicher bi-annual mixed. Produces extraordinary large blooms in a fine range of colors; excellent for cutting.	1/8 oz., \$2.50	.75	....
Super Giant Mixed. A strain similar in habit and earliness to Chabaud Giant Improved but with extra large flowers. The flowers are at least one-third larger than Chabaud Giants. Very double and strongly clove scented.	1/4 oz., \$1.65	.50	6 00
Vaughan's Special Mixture. A mixture of <i>Enfant de Nice</i> , Giant Margaret Mixed and Vaughan's Early and Perpetual Flowering.	1/8 oz., \$1.00	.50	....

For other Carnations, see Perennial Pages.

## Celosia

### Childsii (Chinese Wool Flower)

	Trade pkt. Oz.
Crimson. Yellow. 2 ft.....	Each, 1/4 oz., 50c \$0.25 \$1.75
Deep Rose.....	.25 ....
Mixed. The above colors.....	1/4 oz., 50c .25 1.75

### Cristata (Cockscomb)

Tall, Crimson.....	1/4 oz., 50c	.25	1.75
Giant Crimson Glory. Brilliant heads of cherry red overlaid with silver. They look almost blood red under artificial light. Practically free of the branching habit. Average heads 8 in. to 10 in. by 5 in. Grow about 14 to 18 in. in height, having shining bright green leaves and a red tinged stalk.	1/4 oz., \$1.75; 1/8 oz., \$1.00	.50	....
Gilbert's Giant Rose Beauty. Nonbranching unless pinched when less than 12 in. tall. Foliage bright glossy green. Stems are round strong and straight, carrying flower heads when full grown 8 to 12 in. or more across; very ruffled and ball shaped. The color is rather uniform bright rose pink, on a silver colored base. Dries perfectly after being used as a cut flower. 3 to 4 ft. tall.		.50	....
Gilbert's Harlequin. Uniform in growth with rich green foliage. Bush type, developing both base and side branches. When small, the color is pinkish-gold turning to a salmon, then to a bright shell pink when fully developed.		.75	....
Gilbert's Maple Gold. The blooms are the crested type. The color is an attractive pink tipped yellow but may vary somewhat. Plant grows about 30-36 in. tall with 8-12 heads normally, more if center is pinched.....(300 seeds).		.50	....
Royal Velvet. Produces a large center head and numerous large, long-stemmed cockscombs of richest crimson, on basal branches. The foliage is bronzy green with reddish margins. 2 ft. ..	1/4 oz., 80c	.25	3.00
Tall Sorts, Mixed .....	1/4 oz., 25c	.15	.80
Nana Aurea. Dwarf, dark golden. 12 in....	1/4 oz., 60c	.25	2.20
Empress. Crimson combs, dark foliage. ..	1/4 oz., 60c	.25	2.20
President Thiers. Dark crimson. 12 in....	1/4 oz., 80c	.25	3.00
Rosea. Dwarf. Dark rose combs. 12 in....	1/4 oz., 60c	.25	2.20
Dwarf Sorts. Extra choice mixed.....	1/4 oz., 60c	.25	2.20

### Plumosa (Ostrich Feather)

Crimson.....	1/4 oz., 60c	.25	2.00
Orange.....	1/4 oz., 60c	.25	2.00
Scarlet.....	1/4 oz., 60c	.25	2.00
Thompsoni Magnifica, Mixed .....	1/4 oz., 60c	.25	2.00
Pride of Castle Gould, Mixed.....	1/4 oz., 85c	.25	3.00
Lilliput Dwarf Fire Feather. This dwarf strain is excellent for pots and combinations. 12 in.....	1/8 oz., 65c; 1/4 oz., \$1.25	.25	4.00
Orange Feather. Golden orange. 15 in.....	1/4 oz., \$1.25; 1/8 oz., 65c	.25	4.00
Mixed.....	1/4 oz., \$1.25; 1/8 oz., 65c	.25	4.00

### Cardinal Climber..... 1/4 oz., 55c .25 2.00

Cleome Pungens (Spider Plant). Giant Pink Queen. A tall and attractive border plant, with huge heads of delightful and refreshing pink. Reaches over 4 feet, well branched, airy foliage, blooming from June until frost.....	1/4 oz., 50c	.30	1.80
Lutea (Golden Cleome). Bright golden orange flowers.....	1/4 oz. 90c	.35	...
Cineraria Maritima. (Dusty Miller). Diamond....	1/4 oz., 25c	.15	\$0.90
Maritima Candidissima. Silvery leaves, excellent for bedding and borders. ....	1/4 oz., 25c	.15	.90
Cobaea Scandens. One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer.....	1/4 oz., 50c	.25	1.50
Cockscomb. See Celosia.			
Coix Lachrymae. Corn Beads, Job's Tears. lb., \$2.60		....	.25



CENTAUREA Cyanus Super Giant Double Mixture

## Centaurea Cyanus

### SUPER GIANT Cornflower

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

May also be sown out of doors just before freezing for early spring blooming.

**Black Boy.** Blackish maroon.

**Blue Boy.** Rich deep blue, very large flowers.

**Pinkie.** Deep pink. **Red Boy.** Ruby red. **Snowman.** Best white.

**Vaughan's Mixture of Super Giant New Varieties Mixed.**

Each of above, Trade pkt., 15c; oz., 45c; 4 oz., \$1.45; lb., \$4.50.

**Centaurea Cyanus.** Jubilee Gem. A dwarf variety, Trade pkt. Oz. making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in. .... ¼ oz. 35c \$0.20 \$1.00

**Polar Gem** Duplicate of the above only flowers are pure white. .... ¼ oz., 60c .35 2.00

**Americana** (Basket Flower). Lilac, 4 ft. .... lb., \$6.00 .15 .60

**Alba.** White. 4 ft. Fine cut flower .... lb., 6.00 .15 .60

**Imperialis** (Giant Sweet Sultan). 32 in.

**Amaranth.** Red. Pure white.

**Brilliant Rose.** Splendens. Purple.

**Deep Lavender.**

Each of the above ..... .20 .80

**Imperialis Mixed Colors.** ..... .20 .80

**Suaveolens.** Canary-yellow, 2 ft. .... ¼ oz., 30c .20 1.00

**Vaughan's Special Mixture.** Includes all the annual Centaurea sorts ..... .20 .80

**Candidissima** (Dusty Miller). White leaved for bedding. 6 in. .... ¼ oz., \$1.00 .50 3.50

**Gymnocarpa.** Fine cut leaved variety with silvery foliage. 24 in. .... lb., \$6.00 .15 .60

See also Perennial Pages.

**Coleus Glory.** A mixture of bronze, pink, apricot shades, cream, etc. A remarkably fine strain; it is unequalled for the beautiful form and coloring of its large leaves. Make splendid pot plants. Sow seed January 1st for Memorial Day plants. ¼ oz., \$7.00; ½ oz., \$4.00; ¾ oz., \$2.50; 1 oz., \$1.50. .... .60 ....

**Colosse de Pyrenees,** Whitish ground dotted with red shades ..... 1.00 ....

**Vaughan's Rainbow Mixture.** The above and others ..... ¼ oz., \$3.25; ½ oz. \$1.80. .75 ....



CHRYSANTHEMUM Vaughan's Rainbow Mixed

## Chrysanthemum

**Carinatum** Vaughan's Rainbow Mixture. A surprising blend of entirely new shades and color combinations in Annual Chrysanthemums. The very free flowering 2 feet high plants are early blooming, coming into flower 2 months from the time of sowing; from June until September they give a truly amazing display. .... ¼ oz., 60c \$0.30 \$2.00

**Inodorum Plenissimum.** Bridal Robe. Pure white, extra double, compact, fine foliage, 20 in. ¼ oz., 50c .25 ....

**Snowball.** White, extra double. .... .25 ....

**Vaughan's Double and Single Mixed, annual sorts** ... .15 .60

**Frutescens** (Paris Daisy). White, 30 in. .... ¼ oz., 50c .25 ....

See also Perennial Pages.

## Clarkia Elegans Fl. Pl.

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Sow in January, grow on in flats or shallow raised bench. 2 ft.

**Albatross.** Pure white. **Orange King.** Orange scarlet.

**Brilliant.** Bright carmine rose **Purple Prince.** Rich purple.

**Firebrand.** Brilliant copper scarlet. **Salmonia Perfecta.** True

**Illumination.** Orange and rose. salmon.

**LaFrance.** Salmon pink. **Scarlet Queen.**

**May Blossom.** Glowing rose. **Vaughan's Special Mixture.**

Each of the above: Trade pkt., 15c; ¾ oz., 30c; oz., \$1.00.

## Cineraria Hybrida

**Vaughan's Columbian Mixture.** Contains the best Trade pkt. Oz.

large flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. ¼ oz., \$1.75; ½ oz., \$3.00; ¾ oz., \$5.50 ..... 1000 seeds \$1.00 ....

**Cremer's Prize Mixture.** Re-selected. Somewhat taller and larger flowered than Multiflora Nana ..... ¼ oz., \$2.20; ½ oz., \$4.00; ¾ oz., \$7.50 1.50 ....

**Cremer's Improved Prize Strain.** Originator's Packet. 1.50 ....

**Howard and Smith's Strain.** Mixed. A very fine selection from a California specialist. .... 1.00 ....





CINERARIA Multiflora Nana Gold Center

CINERARIA—Continued

### CINERARIA "GOLD CENTER" OF THE MULTIFLORA NANA TYPE

We were the introducer of this magnificent strain several years ago. It is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers.

1/32 oz., \$3.50; 1/64 oz., \$2.00; 500 seeds, 60c; 1000 seeds, \$1.00.

Multiflora Nana. Mixed, all colors.....	Trade pkt.	Oz.
.....1/64 oz., \$1.60; 1/32 oz., \$3.00; \$1.00	....	
<u>Potsdam Strain. Mixed (Berlin Market or Weis-</u> <u>sensee). American grown seed. The plants are</u> <u>taller and flowers larger than Cremer's.....</u>	1.00	....
.....1/64 oz., \$1.75; 1/32 oz., \$3.00		
<u>Cremer's Prize Strain and Siter's Rainbow Strain</u> <u>in equal proportions 1/64 oz., \$2.00; 1/32 oz., \$3.75</u>	1.00	....
<u>Siter's Rainbow Strain. Mixed. Immense flower</u> <u>heads of medium large flowers ranging from</u> <u>bright eyed types to finer pastel shades. Compact</u> <u>growth with small leaves. Earlier than Cremer's</u> <u>.....1/16 oz., \$8.00; 1/32 oz., \$4.50; 1/64 oz., \$2.50</u>	2.00	....
<u>Siter's Rainbow Originator's Packet.....</u>	2.00	....
<u>Star Cineraria (Cineraria Hybrida Polyantha).</u> <u>Feltham Beauty. Fine small flowering variety for</u> <u>cutting and decorative purposes, nearly all have</u> <u>white centers. 2 ft.....1000 seeds</u>	.75	....

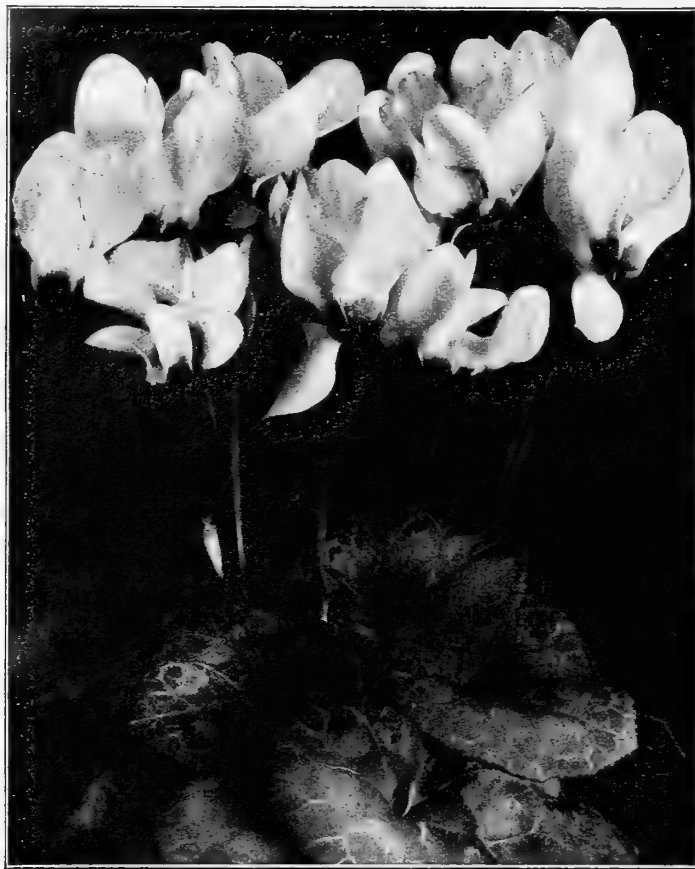
<u>Convolvulus Major (Morning Glory). Mixed....</u> .....1/4 lb., 50c	....	\$0.15
<u>Crimson Rambler. Bright ruby red....</u> 1/4 oz., 25c	\$0.15	.80
<u>Dwarf Pink. The small morning glory-like flowers</u> <u>remain open all day in good weather. Dwarf</u> <u>spreading plants which are very free-flowering.</u> <u>Use for edging and borders.....</u> 1/4 oz., 60c	.25	2.00
<u>Dwarf Royal Ensign. Is deep bright ultramarine</u> <u>blue; the deepest and brightest color of all blue</u> <u>annuals. The plants are fairly covered with their</u> <u>attractive blossoms all summer. Use for edging</u> <u>and borders.....</u> 1/4 oz., 60c	.25	2.00



COSMOS Sensation

### Cosmos

<u>Sensation</u> Very early giant flowered type. Plants grow 4 to 6 feet. Flowers are quite large, 4 to 6 inches across, with broad fluted petals which slightly overlap. Colors pink, white and crimson. For exhibi- tion flowers, leave plants 3 to 4 ft. apart and disbud.	Trade pkt.	Oz.
Dazzler. Crimson.....	1/4 oz., 35c	\$0.20 \$1.20
Pink.....	1/4 oz., 35c	.20 1.20
<u>Radiance. A striking new flower with colors never</u> <u>before seen in Cosmos. Deep rose with rich crimson</u> <u>zone. The long strong stems are fine for cutting</u> <u>and flowers cut in the bud last many days.....</u> .....1/4 oz., 60c	.35	2.20
<u>White .....</u>	1/4 oz., 35c	.20 1.20
<u>Mixed .....</u>	1/4 oz., 35c	.20 1.20
<u>Double Early-Flowering. Pink, White or Red. They</u> <u>come about 40 percent double.....</u>	1/4 oz., 60c	.30 2.00
<u>Double Early Flowering. Mixed.....</u>	1/4 oz., 60c	.30 2.00
<u>Orange Flare. Early flowering deep orange.....</u>	1/4 oz., 25c	.15 .80
<u>Semi Double Orange Ruffles. Vivid and intense golden</u> <u>orange, the two or three extra rows of petals lend an</u> <u>airy butterfly-like beauty to the richly colored large</u> <u>blossoms. Extremely free blooming,.....</u>	1/4 oz., 30c	.20 1.00
<u>Yellow Flare. 3-4 ft. Similar to the original Orange</u> <u>Flare, except its color is a very rich and compelling</u> <u>butter yellow.....</u>	1/4 oz., 30c	.20 1.00
<u>Corn. Calico or Indian Squaw. Multi-colored kernels</u> <u>for fall decorations.....</u>	lb., \$1.00	.... .15



Type of Our Cyclamen Persicum Giganteum

**Corn Strawberry.** While this is really a "Pop Corn" Trade pkt. Oz. and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks which may be bent back showing the ear. These stalks sold on Chicago Market at 10c each.....¼ lb. \$1.00; 1 lb., \$3.60 .... \$0.30

## Ornamental Cotton

Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets. Regret owing to quarantine regulations can not be sent to California..... \$0.25 1.25

**Cordyline.** See Dracaena.

**Coreopsis.** See Perennial Pages.

**Cornflower.** See Centaurea Cyanus.

**Cuphea Firefly.** This is a semi-dwarf, compact growing annual about 12 inches in height. The flowers are freely produced, a deep rosy scarlet color, deepening to almost purple at the center. The plants flower in about five months..... ½ oz., 75c; ¼ oz., \$1.20 .25 ....

**Avalon Hybrids.** Curiously attractive, irregularly fashioned blossoms in season-long profusion, the compactly foliaged plants with flowers of lavender, lilac, pure pink, rose-purple, crimson, fire-scarlet and vermilion, with all intermediate shades..... ½ oz., 60c; ¼ oz., \$1.00 .25 ....

**Cyperus Alternifolius.** 1½ ft. Ornamental foliage plant with shining green fronds resembling a miniature palm..... ¼ oz., 80c .35 2.40

# Cyclamen

## Persicum Giganteum

Our Cyclamen seed has been grown by experienced American and European growers who have specialized in this item for years.

The prices on all Cyclamen seed are net. Less than 250 seeds of one variety at the 100 rate. However, we will allow for cash with order, 5% on 10,000 to 25,000 seeds; and on orders over 25,000 seeds 10%, any assortment of single varieties. Vogt's Double Cyclamen no quantity discount.

	100 Seeds	1000 Seeds
Baardse's Wonder. Salmon with white border.....	\$2.25	\$20.00
Bonfire. Brilliant salmon.....	2.25	20.00
Bright Red.....	1.75	16.00
Dark Blood Red.....	1.75	16.00
Lavender.....	1.75	16.00
Mozart. Deep pink.....	1.75	16.00
New Ruffled Mixed.....	2.30	21.00
Orange Beauty. Orange vermilion.....	2.30	21.00
Pink Pearl. Salmon pink.....	2.30	22.00
Pure Rose.....	1.75	16.00
Pure White.....	1.75	16.00
Saffron Red Silver Edge.....	2.50	22.00
Salmon Scarlet (America Improved).....	2.30	20.00
Salmon-Rose Improved.....	2.25	20.00
Salmon Dark (Glory of Wandsbek or Pearl of Zehlendorf).....	2.20	18.00
Salmon with Eye.....	2.20	18.00
Salmon Light (Rose of Zehlendorf).....	2.20	18.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal).....	1.75	16.00
White with Carmine Eye.....	1.75	16.00
White Fringed.....	2.20	18.00
Vaughan's Florist Mixture.....	1.75	15.00

## Vogt's Double Cyclamen

This strain comes about 80% true from seed.

Admiration. A beautiful salmon-rose with shaded eye.

Cerise Brilliant. A good Christmas red.

Coral Pink with Mulberry Eye.

Orchid Pink.

Prosperity. An azalea type, flaming rose color.

Rosea. A soft rose with a coral cast, shading lighter at petal tips.

Double Mixed. The six above.

Each of the above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00, Net.

Cyclamen flowers keep well when cut, if you make an incision lengthwise into the lower part of the stem with a sharp knife and put flower stems immediately into water.

**Cynoglossum Blue Bird** (Improved Chinese Forget-me-not). A lovely plant 18 to 24 inches tall with flowers of a rich, bright blue. May be grown either outside or under glass..... ¼ oz., 30c \$0.15 \$1.00

**Firmament.** A dwarf type of the Chinese Forget-me-not. 15 to 18 in. tall, bushy, of a rich blue color..... ¼ oz., 35c .20 1.20

**Dahlborg Daisy.** Something new and different in uniformly dwarf border annuals. The thrifty little plants grow about 8 inches high and a foot wide, and are quite covered with small yellow daisy-like flowers. Absolute uniformity and early and continuous flowering are two important points in their favor..... ½ oz. \$1.25 ¼ oz. \$2.25 .50 8.00

**Didiscus Coeruleus,** Lavender Lace Flower, blue. 2 ft. .... ¼ oz., 35c .20 1.20

**Vaughan's Improved Wilt-Resistant Blue Lace Flower.** An improved variety with flowers of a deeper blue and half again as large. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring 2½ to 3½ inches in diameter. Plant in pots to follow "mums" or sow direct in beds, thinning to about 6 in. in rows a foot apart; does not transplant well. Not over Carnation temperature needed..... ½ oz., \$1.00; ¼ oz., \$1.75 .50 6.00



DAHLIA Unwin's Dwarf Hybrids XXX Strain.  
A Splendid Pot Plant Item for Mothers' Day.

## Dahlia

These are easily grown from seed and will bloom first year if sown early.

### UNWIN'S DWARF HYBRIDS

#### (XXX Strain)

Seeds sown in March, plants will be in bloom by the end of June. Graceful semi-double flowers in a wide range of colors. If tubers are divided and potted in February (start in a cool house), they make fine plants for Mothers' Day.

Trade pkt., 25c; 1/4 oz., 65c; oz., \$2.20; 4 oz., \$6.50.

	Trade pkt.	Oz.
Double Cactus-Flowered. Extra choice mixed.....	1/8 oz., \$1.00; 1/4 oz., \$1.80	\$0.50 \$7.00
Selecta. An extra choice strain.....	1/8 oz., \$1.50	.75 ....
Lilliput Mixed (Pompon).....	1/8 oz., \$1.00; 1/4 oz., \$1.80	.50 7.00
Zulu. Dwarf double, dark leaved, mixed.....	1/8 oz., \$1.00; 1/4 oz., \$1.80	.35 ....
Vaughan's Special Double Mixed.....	1/8 oz., \$1.00; 1/4 oz., \$1.80	.50 7.00
Single Coltness Hybrids, mixed. 1 ft.....	1/4 oz., 50c	.25 1.60
Scarlet. Bright scarlet.....	1/4 oz., 60c	.35 2.00
Single Giant Perfection Mixed. 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color.....	1/4 oz., 60c	.25 2.00
Vaughan's De Luxe. New. An outstanding mixture. See Novelties. (100 seeds), \$2.00.		

**Digitalis.** See Perennial Pages.

<b>Dimorphotheca Aurantiaca</b> (Orange Daisy). Glossy golden orange flowers. 12 in.....	1/4 oz., 60c	.20 2.00
Aurantiaca, New Hybrids.....	1/4 oz., 30c	.20 1.00
Ecklonis. White, dark blue center.....		.35 ....
Glistening White. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost.....		.35 ....
Golden West. Yellow orange center.....	1/4 oz., 60c	.20 2.00
Salmon Beauty. Soft salmon pink.....	1/4 oz., 60c	.25 2.00
White Beauty.....	1/4 oz., 60c	.25 2.00
<b>Dolichos Lignosus</b> , Australian Pea Vine. Purple....		.25 ....
<b>Dracaena Indivisa</b> . Narrow-leaved 1/4 lb. \$1.50, lb., \$5.00		.15 .50



DIANTHUS LACINIATUS GAIETY

## Dianthus — Annual Pinks

Trade pkt. Oz

Barbatus X Chinensis (Annual Sweet William) Double Mixed. A brilliant blend of colors fine for bedding or cutting. Blooms first year from seed and plants live over winter.....	1/4 oz., 60c	\$0.35 \$2.00
Annual Sweet William Single Mixed. Blooms from seed the first year.....	1/4 oz., 35c	.20 1.20
Heddensis Finest Mixed. An entirely new tetraploid variety combining the large open flowers of Dianthus Heddewigi with the rugged growth and long stemmed habit of Dianthus Chinensis. Well-formed 2 in. flowers in large numbers on 16 in. stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional Dianthus colors in this new variety.....	1/4 oz., 60c	.25 1.80
Heddensis Westwood Beauty, Red Shades. Flowers single, 1 1/2-2 1/4 inches, deeply laciniate. The color is somewhat variable in red shades of crimson and scarlet, some having attractive white edgings. 12 inches.....	1/4 oz., 60c	.25 1.80
Chinese Double Mixed.....	1/2 oz., 60c	.20 1.00
Heddewigii fl. pl. Fireball. Double, brilliant dark scarlet.....	1/4 oz., 40c	.20 1.40
Double Mixed.....	1/4 oz., 40c	.20 1.40
Laciniatus Splendens. The flowers are very large, a brilliant shade of crimson, with a large boldly contrasting glistening white eye. 1 ft.....	1/4 oz., 35c	.20 1.20
Gaiety. Very large, showy fringed flowers; wide range of lovely colors, pure white to crimson.....	1/4 oz., 70c	.35 2.40
Vaughan's Special Mixed, Double and Single Pink...s.....	1/2 oz., 65c	.20 1.10
Vaughan's Special Mixture, Single Pinks....	1/2 oz., 60c	.20 1.00
Vaughan's Special Mixture, Double Pinks....	1/2 oz., 70c	.20 1.20

### Sweet Wivelsfield

A hardy annual of wonderful colorings. The flowers are larger than Sweet William and borne in trusses. This perpetual-flowering Dianthus has won wide popularity both as a cut flower of lasting quality and as a bedding plant.

Single Mixed.....	1/4 oz., 30c	\$0.15 \$1.00
Double Mixed.....	1/4 oz., 60c	.25 2.20
Barbatus. See Perennial Pages.		
Plumarius. See Perennial Pages.		

- Dusty Miller.** See *Centaurea* and *Cineraria*. Trade pkt. Oz.
- Echeveria Elegans.** Finest of all *Echeveria*. Even rosettes of a rich blue-gray; rich red and orange yellow blooms freely produced on short, stiff stems. 500 seeds. \$1.00 .... .
- Erysimum Golden Gem (Dwarf Compact).** Flowers of golden yellow, resembling a miniature wallflower. Early blooming. .... .25

## Escholtzia

- California, Spreading Varieties.** 1 ft.
- Aurantiaca*. Orange. .... .15 .60
- Golden West*. Yellow-orange center. .... .15 .60
- Mandarin*. Inside petals orange, outside scarlet. .... .15 .60
- Monarch Art Shades*. Double. .... .20 1.00
- Vaughan's Special Mixture. .... ½ oz., 45c .20 .80
- Euphorbia Heterophylla (Mexican Fire Plant).** 3 ft. .... ¼ oz., 40c .15 1.40
- Variegata (Snow-on-the-Mountain)*. Foliage edged white and green. 2 ft. .... lb., \$5.00 .15 .50
- Hummelmannia (Bush Escholtzia).** Yellow. 18 in. .... .15 .60
- Sunlite*. Double bright canary colored flowers. Grey green foliage. .... ¼ oz., 40c .25 1.20



EXACUM, Affine

blue flowers, ¾ in. across. ½ oz., 50c; trade pkt., 25c.

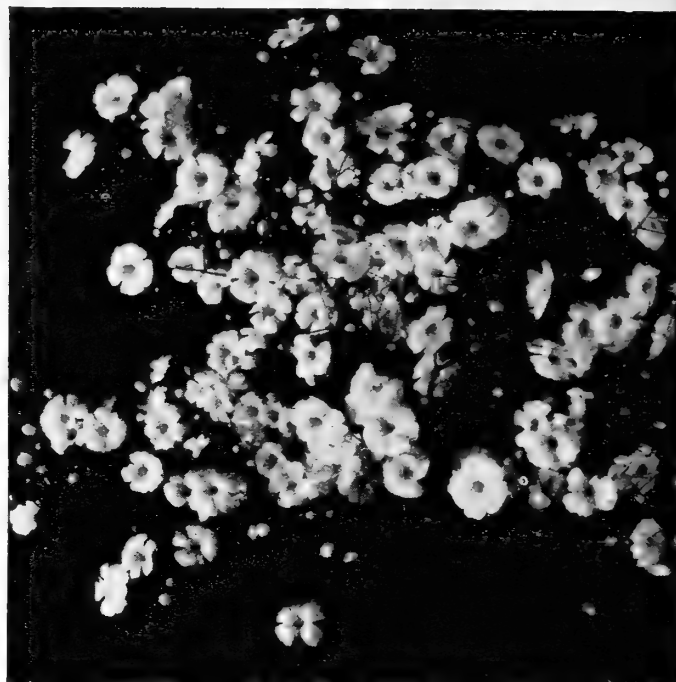
## Fern Spores

- |                                |                                     |
|--------------------------------|-------------------------------------|
| <i>Adiantum Cuneatum</i>       | <i>Cyrtomium Rochfordianum</i> com- |
| <i>Adiantum Hybridum</i>       | pactum                              |
| <i>Adiantum Hispidulum</i>     | <i>Pteris albo-lineata</i>          |
| <i>Adiantum Wrightii</i>       | <i>Pteris serrulata</i>             |
| <i>Cibotium Schiedei</i>       | <i>Pteris serrulata cristata</i>    |
| <i>Aspidium tsussemense</i>    | <i>Pteris tremula</i>               |
| <i>Cyrtomium falcatum</i>      | <i>Pteris Wilsonii</i>              |
| <i>Cyrtomium Rochfordianum</i> | <i>Pteris Wimsettii</i>             |
| (Holly Fern)                   | <i>Pteris Wimsettii multiceps</i>   |
- Any of the above, per trade packet, \$2.50.

## Freessias

Sow seed in cold frame the middle of May, covering with sash for about three weeks or until plants are up, gradually removing sash so plants become accustomed to air. The bulbs can be lifted by the middle of September. They will bloom in January with nice large blooms and long stems.

- |   |                |
|---|----------------|
| <b>Freessia Refracta Alba Pura.</b> Pure white. ¼ oz., \$1.25   | Trade pkt. Oz. |
| <i>Rainbow Hybrids</i> . Colored varieties. .... ¼ oz., 80c   | .35 3.00       |
| <i>Golden Daffodil</i> . Clear light yellow with orange blotch. .... .50  | ....           |
| <b>Vaughan's De Luxe Mixture.</b> This strain is from one of the finest <i>Freessia</i> breeders and represents an outstanding blend. The blooms are extra large and have excellent stem length. The color range is most complete, including all possible shades and color variations. Can be flowered in six months from sowing. .... 1.00 | ....           |



GYP SOPHILA Elegans Grand. Alba. London Market

- Fuchsia Superb Mixture.** New, outstanding mixture. Trade pkt. Oz.  
See Novelties. 250 seeds, \$3.00; 500 seeds, \$5.00;  
1000 seeds, \$9.00. .... .
- Gaillardia Lorenziana.** Double mixed, 20 in. .... ¼ oz., 30c \$0.15 \$1.00
- Sunshine*. Harmonious blending of giant annual *Gaillardias*, ranging from almost self red with but slight, though sharply contrasting yellow tipping, to less and less red until some flowers are a pure self yellow. Fully double blooms, 2½ to 3 in. across on stiff stems. 2½ ft. tall. .... ¼ oz., 65c .25 2.20
- Garden Heliotrope.** See *Valeriana*, Perennial Pages.
- Gazania Splendens Hybrid Grandiflora Mixed** .... .35 ....
- Geraniums Flowerland Strain.** Improved single large-flowered, seed saved from name varieties. Includes seed of *Fiat*, *White Beauty*, *Alice of Vincennes*, *Madam Kovelesky* and others which will provide a wide range of colors. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. ⅓ oz., 90c; ⅓ oz., \$1.50. .50 ....
- Gilia Capitata Resected Blue (Blue Thimble Flower).** Fine feathery foliage; attractive ball-shaped flowers, 1 in. in diameter. 2 ft. .... .15 .60
- Gladiolus Special Varieties Mixed.** Seed saved from a special planting which includes prize winning sorts and rare introductions. .... ¼ oz., 60c .35
- Globe Amaranth Rubra (red-purple)** .... ¼ oz., 30c .25 1.00
- Dwarf Purple*. .... ¼ oz., 60c .30 2.00
- Orange (Haageana)*. Flower looks like a ripe strawberry; a fine everlasting. .... ¼ oz., 35c .15 1.00
- Grasses. Tall Ornamental Mixed** .... ¼ oz., 30c .15 1.00
- Grevillea Robusta (Silk Oak).** Excellent fern-like foliage plant for combination pots and baskets for fall and winter. Sow in early spring. Well grown single specimens make fine pot plants. .... ¼ oz., 55c .20 1.80

## Gypsophila

- Elegans Grandiflora Alba, London Market.** Special Florist strain. .... ¼ lb., 75c; lb., \$2.25 ... .25
- Carminea*. Deep rose. .... ¼ oz., 45c .15 1.40
- Crimson*. .... ¼ oz., 45c .15 1.40
- Muralis*. Dwarf, pink. Fine border and rock garden plant, 6 in. .... ¼ oz., 65c .25 2.20





ORNAMENTAL GOURDS

## Ornamental Gourds

An increasingly important addition to the florists' list, as evidenced by the demand in retail stores. Cultural directions and instructions for preparing the fruit with each order if asked for at time of ordering.

### SMALL FRUITED

	Trade pkt.	Oz.
Apple-Shaped.....	\$0.15	\$0.50
Bottle, Miniature.....	.20	.80
Flat Striped. Green and white stripes.....	.20	.80
Nest Egg. Practical nest eggs.....	.20	.80
Orange. The well known Mock Orange.....	.20	.80
Ornamental Pomegranate or Queen's Sweet Pocket Melon. Fruit deliciously perfumed.....	.20	....
Pear-Shaped. Green and white.....	.15	.50
Pear-Shaped. White.....	.15	.50
Pear-Shaped. Striped yellow and green.....	.15	.50
Pear-Shaped. Mixed.....	.15	.50
Spoon. Small ball-shaped fruit with slender neck, deep orange. By slicing off a side a satisfactory spoon is made.....	.15	.50
Warted Sorts Mixed.....	.20	.80
Small Fruited Varieties Mixed.....	.15	.50

### LARGE FRUITED

Bottle, Large. The original Thermos bottle. Makes fine bird house.....	.15	.50
Calabash or Pipe Gourd. Odd-shaped fruit which is used in making pipes.....	.15	.50
Cave Man's Club. Also called Dolphin and Maranka. Knobby, club shaped, dark green.....	.20	.80
Dipper. Fruit makes an excellent dipper and may be used for bird house.....	.20	.80
Dishcloth or Towel. The fruit is made of a spongy-like porous pulp, which may be dried and used as a sponge. The fruit is eaten when young, being cooked like squash.....	.15	.50
Hercules Club. Fruit grows 3 to 4 ft. long.....	.15	.50
Turk's Turban. Ornamental, brightly colored.....	.15	.50

Sow with Gourds for decorative effect, Squaw Corn and Strawberry Corn on Pages 15 and 16.

Vaughan's Special Mixture. All shapes and sizes of these interesting fruits so fashionable for ornaments, bird houses and utensils, are included in this mixture. Trade pkt., 20c; oz., 80c.

<b>Helianthus (Sunflower) Sun Gold.</b> 4 to 5 ft. Brilliant golden yellow, double globe shaped flowers. Free blooming, 100% double, even and true shape. Early pinching will make many side shoots and in consequence smaller than one large flower if disbudded. Excellent for cutting. .... 1/4 oz., 25c; 1/4 lb., \$2.40	.15	.75
<b>Silver Gold.</b> A profuse bloomer, with large single golden flowers 3 inches in diameter. Foliage a silvery-green. 4 ft..... 1/4 oz., 75c	.25	....



HELICHRYSUM, Vaughan's Special Mixture

## Gloxinia Hybrida

**Vaughan's Columbian Mixture.** This is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and we know that better seed is not to be had at any rate. Trade pkt., (about 1000 seeds), \$1.25. **Beacon.** Flowers rich dark red, flexible leaves. 1000 seeds, \$1.25. **Spotted and Stained Choice Mixture.** ..... 1000 seeds, \$1.25. **Swiss Emblem.** (Hybrid Gigantea). New. Brilliant scarlet red with white margin. See Novelties. Trade pkt., \$1.50.

**Victory Giant Ruby Red.** An outstanding variety with velvety rich red flowers. Plants are very vigorous with many side growths; a well grown plant, producing 50 or more flowers. Sow seed in January for blooming plants in 4-inch pots during June and July. Trade pkt., \$1.00; 6 trade pkts., \$5.00.

## Godetia

Plant in rather poor soil. They thrive in cool weather under moist conditions. Treat these as suggested for Clarkia.

### Tall Double Grandiflora

Mixed. Gladiolus-like flowers in long trusses; excellent for cutting. 2 ft.....	Trade pkt.	Oz.
Dwarf Double Mixed.....	1/4 oz., 30c	\$0.15 \$1.00
Upright Single.....	1/4 oz., 45c	.25 1.40
Duke of York. Rich scarlet on white. 16 in.....	1/4 oz., 50c	.25 1.75
Kelvedon Glory. Glowing salmon-orange. 1/4 oz., 50c	1/4 oz., 50c	.25 1.75
Sybil Sherwood. Double deep, glowing, salmon orange.....	1/4 oz., 60c	.25 2.00

### Helichrysum Monstrosum Fl. Pl. (Strawflower).

Canary Yellow	Golden Ball	Salmon Queen
Rose Queen	Silvery Pink	Fireball
Silver Ball	Violet Queen	
<b>Each of the above.</b> .....	1/4 oz., 40c	.20 1.40
<b>Vaughan's Special Mixture.</b> .....	1/4 oz., 40c	.20 1.40
<b>Tom Thumb Mixed.</b> Dwarf sorts.....	1/4 oz., 50c	.25 1.80
<b>Heliotrope.</b> Will bloom from seed in four months.		
Mammoth Flowered Mixed. 1/8 oz., 65c; 1/4 oz., \$1.20		.35 ....
Regale Dwarf Mixed. A fine mixture of dwarf sorts. .... 1/8 oz., \$1.00		.35 ....
<b>Honesty.</b> See Lunaria Biennis—Perennial Pages.		
<b>Hunnemannia.</b> Fumariaefolia (Bush Escholtzia).		
Does well in greenhouse; grow cool, 18 in.....		.15 .60
Sunlite. Double bright canary-colored flowers. Gray-green foliage. 2 ft.....	1/4 oz., 40c	.25 1.20
<b>Ice Plant.</b> See Mesembryanthemum.		



KALANCHOE Brilliant Star

## Impatiens

The Impatiens will make splendid pot plants for Christmas and are useful for bedding and porch boxes in shady locations.

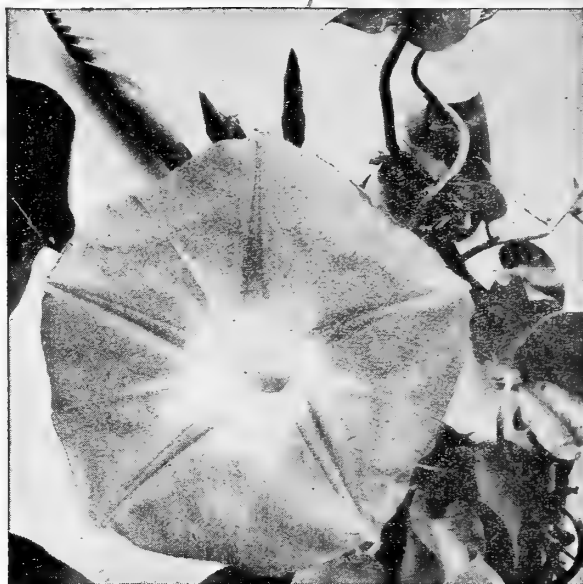
	Trade	pkt.	Oz.
Sultani Hybrida Nana Dwarf Mixed. Especially fine for pots, growing only 6 in. tall. Flowers continuously, in many shades. 1000 seeds, 90c; 500 seeds	\$0.50	....	
Sultani Bright Rose. 1½ ft., 1000 seeds, 90c; 500 seeds	.50	....	
Sultani Hybrids Mixed. Various shades of red to rose and violet mixed. 1000 seeds, 90c; 500 seeds	.50	....	
Holstii. Bright vermillion. Beautiful for summer bedding. 1½ ft. 1000 seeds, 90c; 500 seeds	.50	....	
Holstii. New Hybrids, extra choice. Charming mixture of many colors. 1000 seeds, 90c; 500 seeds,	.50	....	

**Kale Flowering.** Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale, but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. ½ oz. \$1.00 .50 ....

## Kalanchoe

Globulifera., Var. Coccinea (Blossfeldiana). 12 inches. Bright scarlet flowers. Very choice pot plant 3,000 seeds. \$1.10 1,500 seeds	.60	....	
Alfred Graesser. Scarlet red. See Novelties.	1.75	....	
Bonfire. Glowing orange-scarlet. See Novelties.	1.25	....	
Brilliant Star. This new hybrid Kalanchoe is an excellent addition to the pot plant list. Flowers measure three times the size of the ordinary varieties and are a rich fiery red. Foliage is dark green and of compact growth. The flower heads are carried on stems about 6 inches long, making this novelty ideal for pots or cutting material. (about 800 seeds)	1.50	....	
Ernst Thiede. Glowing red. See Novelties.	1.25	....	
Hybrida "Flame". In brilliancy of color this Kalanchoe is unsurpassed. The flower heads are borne on wiry stems with up to 200 individual flowers. The color is a vivid fiery red, much more pleasing than that of other Kalanchoes. 500 seeds	1.00	....	
Tom Thumb. A dwarf variation of the popular K. Blossfeldiana, with the same color. The general habit is more dwarf and the very short-flowering stems form just beyond the foliage and the flowers actually envelope the entire plant. 1,000 seeds, \$1.25	....	....	

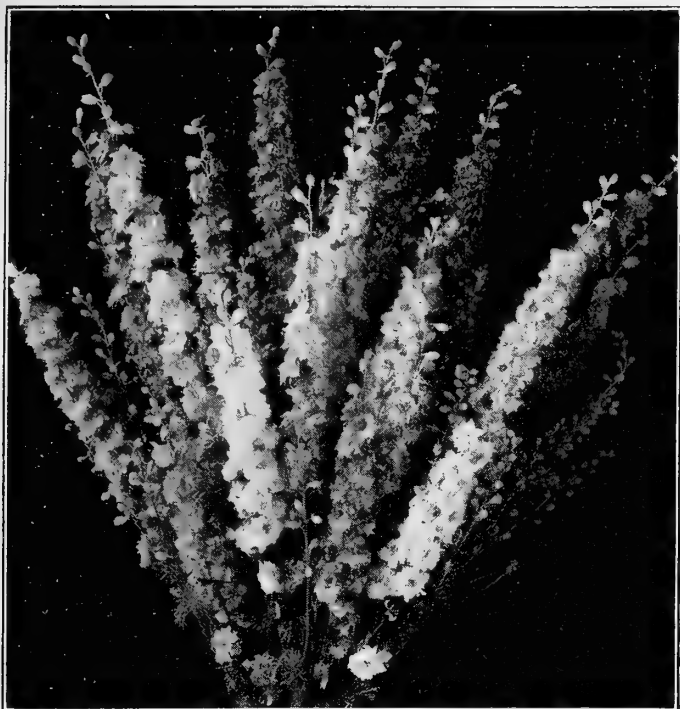
**Jacaranda Mimosaefolia.** A tree in subtropical regions with foliage as finely cut as a fern, symmetrical and elegant. Showy blue or violet flowers valuable in the north for conservatory decorations or subtropical bedding. Young plants make attractive pot plants. 100 seeds, 50c; 1,000 seeds, \$3.50. ....



IPOMOEA Clarke's Early Flowering Heavenly Blue

## Ipomoea

	Trade	pkt.	Oz.
Single Best Fringed Mixed	\$0.20	\$0.80	
Blue Mound. New. A Dwarf Heavenly Blue. See Novelties. ¼ oz., 75c	.35	2.25	
Blue Star. A new, distinct variety. See Novelties. ¼ oz., 75c	.35	2.25	
Columbia. The vines grow about 10 ft. and produce many 3 in. trumpets of blue, edged bluish white with a reddish star. ¼ oz., 45c	.20	1.40	
<u>Giant Cornell</u> . The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University. Growth is rapid and flowers come early. ¼ oz., 45c.	.25	1.40	
Noctiflora (Moonflower). White seeded.	.15	.50	
<u>Clarke's Early-Flowering Heavenly-Blue</u> . The improved clear blue early-flowering strain. Fine pot plant item. Sow in 4-inch pots and stake. Flowers when about 2 ft. high (6 weeks) ¼ lb., \$2.00	.20	.65	
Improved Early-Flowering Heavenly Blue. A deep sky blue, shading lighter toward the center.	.20	.80	
Pearly Gates. A large flowered satiny white, with a creamy shading in the throat. Reaches 12 feet, with luxurious foliage. ¼ oz., 45c	.35	1.40	
Rose Marie. Double rose flowers. ¼ oz., 25c	.15	.80	
<u>Scarlett O'Hara</u> . Flowers are a carnelian red, sometimes called carmine, self color about 3½ inches across. Stays open longer than other sorts. Foliage is quite distinct, each leaf having one large and two small side lobes. ¼ oz., 35c	.20	1.00	
Setosa (Brazilian Morning Glory). Red.	.15	.50	
<u>Kaulfussia Ameloides</u> . Blue. 10 in.	.35		
<u>Kochia Childsii</u> (Summer Cypress)	.10	.25	
<u>Lantana Dwarf Mixed</u> . Sow early and give bottom heat. ¼ oz., 55c	.25	1.80	
Tall Mixed. ¼ oz., 50c	.25	1.80	
<u>Lathyrus Latifolius</u> . See Perennial Pages.			
<u>Lavatera Alba Splendens</u> . Pure white. 30 in. ¼ oz., 30c	.15	1.00	
Splendens Loveliness. (Sunset). Glowing rose-pink flowers, bronze foliage. ¼ oz., 30c	.15	1.00	
<u>Lavender Lace Flower</u> . See Didiscus Coeruleus.			
<u>Lemon Verbena</u> (Aloysia Citriodora). Fine pot plant. ⅓ oz. \$1.00; ¼ oz., \$1.80	.35	....	
<u>Leptosiphon French hybrids</u> . 10 in. Free flowering star-shaped flowers in many colors. ¼ oz., 30c	.20	1.00	



ANNUAL LARKSPUR GIANT IMPERIAL

## Annual Larkspur

For outdoor blooming start in flats in the house, shift into 2-inch pots and plant in April or sow in the open as soon as ground is ready. To get satisfactory germination from Larkspurs in the hot weather, it is necessary to chill the seeds in an ice box for several days before sowing. Larkspurs must be grown cool. For a greenhouse crop in May, sow in January or February.

	Trade pkt.	Oz.
<b>Regal Rose.</b> New. Rich rose. See Novelties.		
..... 1/4 lb., \$9.00; 1/2 oz., \$1.50; 1/4 oz., 90c	\$0.50	\$2.70
<b>Supreme.</b> New strain of base branching habit. See Novelties. Lilac, Rose, Salmon and White, each,		
..... 1/4 lb., \$6.00; 1/2 oz., \$1.00	.35	1.80

### GIANT DOUBLE IMPERIAL—The Base Branching Type—4 ft.

This type is the most desirable for outdoor growing; of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

<b>Blue Bell.</b> Fine medium blue.	<b>Lilac Spire.</b> Beautiful lilac color.
<b>Blue Spire.</b> Dark blue.	<b>Los Angeles Improved.</b> Salmon scarlet.
<b>Brilliant Rose.</b>	<b>Miss California.</b> Deep pink on salmon.
<b>Carmine King.</b>	<b>Montrose.</b> Clear rose pink.
<b>Dazzler.</b> Rich scarlet.	<b>Pink Perfection.</b> Lively light pink.
<b>Deep Carmine King Improved.</b> A very distinct improvement over Carmine King; holds its color under trying conditions.	<b>Rosalind.</b> Salmon-rose, non-shattering.
<b>Exquisite Pink Improved.</b> Soft pink shaded salmon.	<b>Sweet Lavender.</b> Light lavender blue.
<b>Gloria Improved.</b> Rich, deep rose-salmon.	<b>White King.</b> Glistening pure white.

Each of the above, trade pkt., 25c; 1/4 oz., 40c; 1/2 oz., 65c; oz., \$1.10; 1/4 lb., \$3.60; lb., \$11.00.

Giant Imperial Vaughan's Special Mixed. All colors. Trade pkt., 25c; 1/4 oz., 40c; 1/2 oz., 65c; oz., \$1.10; 1/4 lb., \$3.60; lb., \$11.00.

### SUPER MAJESTIC—5 ft.

Long tapering laterals branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers.

<b>Deep Salmon Pink</b>	<b>Lavender</b>	<b>Rose Pink</b>
<b>Super Majestic Mixed</b>	<b>White</b>	Trade pkt. Oz.
Each of the above		
..... lb., \$15.00; 1/4 lb., \$5.00; 1/4 oz., 50c		\$0.35 \$1.50

### LARKSPUR—Continued

#### IMPROVED GIANT HYACINTH-FLOWERED—45 in.

Blooms much earlier than other tall Larkspurs. Non-branching, each plant produces one big Hyacinth-like spike, broad at the base and tapering toward the top, thickly studded with perfect double blooms to a length of 18 to 20 inches.

	Trade pkt.	Oz.
Dark Blue.....	1/4 oz., 50c	\$0.30 \$1.80
Lilac.....	1/4 oz., 50c	.30 1.80
Pink.....	1/4 oz., 50c	.30 1.80
Purple.....	1/4 oz., 50c	.30 1.80
White.....	1/4 oz., 50c	.30 1.80
Giant Hyacinth Fld. Improved Mixed		
..... lb., \$16.00; 1/4 oz., 50c	.30	1.60

#### STOCK-FLOWERED—4 ft.

<b>Ageratum Blue.</b>	<b>Rosamond.</b> Pure rose.
<b>Dark Blue.</b>	<b>Rose Queen.</b>
<b>Lilac Supreme.</b> Deep lilac.	<b>White.</b>
Each of the above. Trade pkt., 25c; oz., 90c; 1/4 lb., \$3.20; lb., \$9.60.	Trade pkt. Oz.
<b>Vaughan's Special Mixed Stock Flowered.</b>	
..... 1/4 lb., \$3.20; lb., \$9.60	\$0.25 \$0.90

<b>Leptosyne Maritima.</b> Yellow, 24 in.....	.15	....
<b>Stillmanii.</b> Golden yellow, blooms six weeks after sowing.....	.15	....
<b>Golden Rosette.</b> Double bright butter yellow flowers.....	.25	....
<b>Leucanthemum.</b> See Chrysanthemum Maximum in Perennials.		
<b>Lilium.</b> See Perennial Pages.		
<b>Linaria Maroccana Excelsior</b> , mixed, 12 in.....	.15	.60
<b>Fairy Bouquet.</b> Compact growth, large flowers in many distinct colors. Blooms early. Flowers resemble miniature Snapdragons. 8 in. 1/4 oz., 45c	.20	1.40
<b>Lisianthus Russellianus</b> (Eustoma). An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. 1 1/2 ft.....	1/8 oz., \$1.40	.50 ....

## Lobelia

<b>Erinus Crystal Palace Compacta.</b> 4 in. Deep blue, dark foliage.....	1/4 oz., 85c	.25 3.00
<b>Compacta Blue Gown.</b> Clear deep blue, without eye, fine compact habit.....	1/4 oz., 85c	.25 3.00
<b>Blue Stone</b> Reselected. Compact habit, large flowers, brilliant mid-blue.....	1/4 oz., 85c	.25 3.00
<b>Emperor William.</b> Gentian-blue, light foliage. 4 in.....	1/4 oz., 85c	.25 3.00
<b>Mrs. Clibran.</b> Deep blue, white eye.....	1/4 oz., 85c	.25 3.00
<b>Pumila Splendens, Bedding Queen.</b> Dark blue, white eye.....	1/4 oz., 85c	.25 3.00
<b>Alba Snowball.</b> 4 in.....	1/4 oz., \$1.00	.35 ....
<b>Sutton's Cambridge Blue.</b> Light blue with green foliage.....	1/4 oz., 85c	.25 3.00
<b>Dwarf Sorts, Mixed</b> .....	1/4 oz., 75c	.25 ....
<b>Pendula</b> (for hanging baskets)		
<b>Hamburgia.</b> Sky-blue, white eye, dark foliage....	1/4 oz., \$1.00	.35 ....
<b>Sapphire.</b> Large deep navy-blue with white eye.....	1/4 oz., \$1.00	.35 ....
<b>Tenuior ramosa nana compacta blue.</b> Fine Gentian blue. 10 to 12 in.....	1/4 oz., 85c	.35 ....

## Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop." Nitrogen for inoculating Lupin seed. Garden size, pkt., 10c.

	Trade pkt.	Oz.
<b>Hartwegii.</b> Dark blue, Oxford-blue. 24 in.....	\$0.15	\$0.80
<b>Light blue.</b> Cambridge-blue.....	.15	.80
<b>Rose</b> .....	.15	.80
<b>White</b> .....	.15	.80
<b>Rose Queen.</b> Rose-pink, semi-dwarf.....	.15	.80
<b>Mixed</b> .....	.15	.80

**Hartwegii Giants or King Lupinus.** This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

<b>King Dark Blue</b>	<b>King Sky Blue</b>
<b>King Heliotrope</b>	<b>King White</b>
<b>King Mixed</b>	
Each of the above	Trade pkt. Oz.
..... lb., \$8.00	\$0.20 \$0.85



MARIGOLD Mammoth Mum

# Marigold

## TALL AFRICAN DOUBLE IMBRICATED

Frills. A new color in the frilly carnation-like marigolds with odorless foliage. Flowers grow  $3\frac{1}{2}$  in. across, clear, vivid golden orange with petals beautifully frilled and waved. Plants grow about 2 ft. tall and produce their lovely flowers most profusely throughout the summer and fall. Valuable for garden decoration; the long-stemmed flowers are highly prized for cutting.  $\frac{1}{8}$  oz., 60c;  $\frac{1}{4}$  oz., \$1.00

**Guinea Gold.** Orange flushed gold, producing many medium sized flowers.  $2\frac{1}{2}$  ft.  $\frac{1}{4}$  oz., 50c

**Yellow Supreme.** Broad, loose-frilled petals, rich creamy yellow, honey fragrance. 2 ft.  $\frac{1}{4}$  oz., 50c

**Orange Supreme.** Flowers are very large, 4 to 5 in. across, perfectly double, with an attractive, peony-like appearance. The intense orange flowers are borne on long, stiff stems, making them most desirable for cutting. Plants are much branched, upright growing,  $2\frac{1}{2}$  to 3 ft. tall.  $\frac{1}{4}$  oz., 50c

**Real Gold.** Large carnation-type flowers up to  $4\frac{1}{2}$  inches across are borne on compact bushes 20 to 25 inches tall, rather late in season. Color is golden orange illumined with yellow and flowers are abundant.  $\frac{1}{4}$  oz., 85c

## TALL AFRICAN DOUBLE FISTULOSA, 3 ft.

\* An especially fine tall branching strain, bearing enormous flowers of the quilled type.

**All Double Lemon.**  $\frac{1}{4}$  lb., \$5.00;  $\frac{1}{4}$  oz., 50c

**All Double Orange.**  $\frac{1}{4}$  lb., \$5.00;  $\frac{1}{4}$  oz., 50c

**All Double Mixed.**  $\frac{1}{4}$  lb., \$5.00;  $\frac{1}{4}$  oz., 50c

**Lemon Queen, Los Angeles Florist Strain.** All double.  $\frac{1}{4}$  oz., 50c

**Prince of Orange, Los Angeles Florist Strain.** All double.  $\frac{1}{4}$  oz., 50c

**Vaughan's Special Mixture Tall African Double Mixed.**  $\frac{1}{4}$  oz., 50c

## TALL AFRICAN VARIETIES

**Burpee Gold.** Another Marigold minus the disagreeable odor. Beautiful carnation-like form, attractive habit, uniformity of color and blooming time, fully double. Flowers are an even rich deep orange color,  $3\frac{1}{2}$  in. across.  $\frac{1}{4}$  oz., 50c

## MARIGOLD—Continued

Trade pkt. Oz.

**Chrysanthemum Flowered Hybrids Mission Giants Mixed.** A mixture of many types, in shades of orange, yellow and primrose.  $\frac{1}{4}$  oz., 50c \$0.25 \$1.60

**Goldsmith (Mission Giant).** The best version of the Chrysanthemum-flowered Marigold which blossoms early enough for northern gardens. Globular flower with incurved petals, borne on long base branching stems, 3 ft. tall.  $\frac{1}{4}$  oz., 60c .30 2.00

**Limelight.** A pale primrose-yellow or deep cream, in the Dixie Sunshine or incurved Chrysanthemum flowered type. Early and free flowering.  $1\frac{1}{2}$ - $2\frac{1}{2}$  inches in diameter. 20 in.  $\frac{1}{4}$  oz., 60c .30 2.00

**Yellowstone (Mission Giant).** Bright rich clear yellow counterpart to Goldsmith, with large  $2\frac{1}{2}$  inch flowers, on luxurious, large plants. Flowers are of double, incurved, Chrysanthemum-like form. Uniformly 3 to 5 feet tall.  $\frac{1}{4}$  oz., 60c .35 2.00

**Mammoth Mum 30 in.** Blooms early. The flowers are fluffy ball-like, light sulphur yellow in color,  $3\frac{1}{2}$  in. across and 2 in. deep and develop into the largest chrysanthemum flowered Marigold.  $\frac{1}{4}$  oz., 80c .35 2.80

**Early Sunshine.**  $2\frac{1}{2}$  inches across and  $1\frac{1}{2}$  inches deep and they are extremely early. Bright lemon-yellow flowers. Ideal for cutting.  $\frac{1}{4}$  oz., 60c .30 2.00

**Vaughan's Marigold Treasure Chest.**  $2\frac{1}{2}$  to 3 ft. Remarkable for its wide color range and extremely high percentage of fully double flowers. Colors run from the deepest orange to lightest primrose. Flowers are of many shapes, but mostly of the Carnation and Peony-flowered forms. They are large, many 5 in. across, with the average somewhat over 4 in. Some begin to bloom early, some midseason and others late.  $\frac{1}{4}$  oz., 50c .25 1.80

**Collarette Crown of Gold.** Orange,  $2\frac{1}{2}$ -inch flowers, crested center, broad guard petals, odorless foliage.  $\frac{1}{4}$  oz., 40c .20 1.20

**Sunset Giants Mixed.** Huge flowers with a color range through orange-yellow and primrose.  $\frac{1}{4}$  oz., 50c .25 1.80

## SINGLE DWARF FRENCH, 1 ft.

**Flash.** Bright combination of colors which range from vivid red through bronze with a few yellow flowers to give a harmonious contrast to the massed brilliance of the fiery alive plants. In most of the flowers the base color of tangerine is overlaid with rich marigold-red. Individual flowers grow  $1\frac{3}{4}$  in. and more across; the plants, 18 in. tall.  $\frac{1}{4}$  oz., 60c .35 1.80

**Legion of Honor (Little Brownie).** Yellow and brown .20 .80

**Naughty Marietta.** All America Honorable Mention 1947. Golden yellow flowers with a mahogany base, 2 to  $2\frac{1}{2}$  in. across. Dwarf single French showy plants about 12 in. tall and 16 in. wide, completely covered with bloom.  $\frac{1}{8}$  oz., 50c;  $\frac{1}{4}$  oz., 85c. .35 2.50

**Red Head.** All America 1948 Bronze Medal. Large single-crested flowers 2 in. across, with broad, overlapping, gracefully recurved petals—opening rich mahogany, changing to auburn and later to bronzy gold. The crested center is made up of tiny erect golden petals edged with maroon. Compact, dwarf plants about 1 ft. high and  $1\frac{1}{2}$  ft. across, completely covered with flowers.  $\frac{1}{8}$  oz., 60c;  $\frac{1}{4}$  oz., \$1.00 .35 3.00

## DOUBLE DWARF FRENCH

The dwarf varieties which are starred are especially valuable for early spring as combination plants.

All dwarf Marigolds which grow quite uniform in flats can be easily sold in spring for bedding or border plants. Florists near cemeteries find ready sales for these.

**All Double Royal Scot Striped.**  $\frac{1}{4}$  oz., 50c .25 .60

**Butterball.** Scabiosa-flowered, canary yellow. Only 6 to 10 inches tall, uniform, very early and continuous flowering. Bright and luminous bedding or edging variety. Rich, dense foliage, well covered with small  $1\frac{1}{4}$ -inch blooms. This makes a nice pot plant.  $\frac{1}{4}$  oz., 50c .25 1.80

**Coronet Improved.** Small scabiosa like flowers golden yellow in center and deep mahogany red collar. Plants compact, free and early blooming. 9 in.  $\frac{1}{4}$  oz., 50c .25 1.80





MARIGOLD Spry

MARIGOLD—Continued

**HARMONY TYPE**

Three heights of the same color of Marigolds Harmony Type.

<b>Spry.</b> Very light orange crested center and maroon outer petals. 9 in. 4 oz., \$5.50	1/4 oz.,	Trade pkt. Oz.	
50c.		\$0.25	\$1.80
<b>Extra Dwarf Harmony.</b> 6 in. Same color as Spry but dwarf habit.	1/4 oz., 50c	.25	1.80
<b>Harmony.</b> Flowers are a bright golden yellow with a rich maroon-red border. The plants, being about 12 inches high and of very bushy habit, can be utilized for cutting.	1/4 oz., 30c	.15	1.00

	Trade pkt. Oz.		
<b>Golden Ball.</b> Golden orange shade.	1/4 oz., 25c	\$0.15	\$0.90
<b>Melody.</b> Growing 12 to 15 inches high, literally covered with golden yellow, Harmony type flowers. Very uniform in height, habit and color; rather early, and a long steady bloomer.	1/4 oz., 50c	.25	1.60
<b>Primrose.</b> Quite a low growing type about the same height and possibly a little lower than Melody. The flowers are proportionately large, and of a sulphur yellow shade. They are excellent for doubleness and very profuse flowering.	1/4 oz., 50c	.25	1.80
<b>Sunkist.</b> Many attractive orange colored flowers 1 1/2 inches across. Valuable for bedding edging and pot-culture. 6 to 12 in.	1/4 oz., 50c	.25	1.80
<b>Scarlet Glow.</b> A distinct bright bronzy red color; 1 1/4 to 2 inches across. Some flowers show russet and gold, but as a whole it is probably the largest and brightest red double French sort. Compact bushy growth of about 12 inches.	1/4 oz., 50c	.25	1.60
<b>Harmony Hybrids.</b> Crested or scabiosa type flowers in a good color range for bedding plants. Grow 12 to 14 inches high, flowers medium size.	1/4 oz., 30c; 1/4 lb., \$3.00	.15	1.00
<b>Vaughan's Special Mixture of Newer Varieties of Dwarf French</b> including Spry, Butterball, Sunkist, etc.	1/4 oz., 50c	.25	1.80
<b>Lieb's Winter Flowering.</b> Mahogany brown with golden yellow crested center. For a fine paying winter cutflower, especially in a retail growers establishments, Lieb's varieties are highly recommended. Seeds can be sown from August to December. Space plants ten inches apart in bench in not too rich soil in Carnation house temperature.	1/4 oz., 60c	.25	2.00
<b>Winter Harmony.</b> It is of quilled scabiosa type. A single row of reddish brown guard petals encircling a golden orange quilled center, with mahogany brown dots on tip of each quilled petal. Flowers 2 1/2 inches in diameter.	1/4 oz., 50c	.25	1.65

MARIGOLD—Continued

Trade pkt. Oz.

**MEXICAN MARIGOLD**

For Pots and Edging

<b>Gnome.</b> Absolutely uniform in growth and color. Plants grow only 4 to 6 in. high with a spread of 8 to 10 inches; the slender fern-like foliage is fairly covered with dainty golden orange flowers.	1/4 oz., 50c	\$0.25	\$1.60
<b>Golden Gem.</b> Vivid deep orange yellow, compact, free blooming.	1/4 oz., 50c	.25	1.80

**DOUBLE DWARF AFRICAN**

<b>Tom Thumb Golden Crown.</b> This is a dwarf form of the well-known Guinea Gold. Plants grow only 10 in. high with bright golden yellow flowers, flushed with orange. An outstanding variety.	1/4 oz., 50c	.25	1.60
<b>Cupid.</b> Another one of the odorless foliaged Marigolds. Dwarf in habit, large primrose yellow chrysanthemum-like flowers completely cover the plant. Marvelous for edging or border. The flowers are 2 to 2 1/2 in. across and the plants are only 6 inches tall.	1/8 oz., 65c; 1/4 oz., \$1.10	.35	3.80
<b>Dwarf Gigantea, Pot O'Gold.</b> 12 to 15 in. Plants are dwarf and compact, well branched, very neat in appearance, bearing a dozen or more of its large blooms at one time. Color bright deep orange. The flowers are somewhat loosely formed, very full centered with broad heavy petals, gracefully overlapping. Blooms early.	1/4 oz., 50c	.25	1.80

**LILLIPUT DOUBLE DWARF, 8 in.**

<b>Yellow Pygmy.</b> Light lemon-yellow, growing only 8 in. tall and compact. Small, 1 1/4 in. blooms, free flowering and excellent for edging beds.	1/4 oz., 50c	.25	1.60
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**MARIGOLD WITH ODORLESS FOLIAGE**

<b>Burpee Gold—Carnation Flowered.</b>	
<b>Crown of Gold—Collarette.</b>	<b>Yellow Supreme.</b>
<b>Lilliput Cupid.</b>	<b>Frills</b>

	Trade pkt. Oz.		
<b>Marvel of Peru.</b> (Four O'clocks.) Mixed.	1 lb., \$3.00	...	\$0.25
<b>Mesembryanthemum Criniflorum</b> (Livingstone Daisy). The plants are literally covered with one-inch flowers of the most delightful shades imaginable. Need full sun and lots of water.	1/8 oz., 65c; 1/4 oz., \$1.20	\$0.35	....
<b>Crystallinum</b> (Ice Plant). Foliage glitters, being covered with ice-like globules, flowers small, pinkish white. For dry sandy spots. 6 in.		.25	....
<b>Microserma Golden Tassel.</b> Light green foliage like that of a Chinese Primula. The upright-growing bright chrome yellow flowers, consisting of a graceful five-lobed trumpet-shaped corolla 2 inches across, are adorned with a multitude of similarly colored stamens. 9 in.		.50	....
<b>Mignonette.</b> True Machet. Vaughan's Selected Stock	1/4 oz., 40c	.20	1.40
<b>Goliath.</b> Red, fine.	1/4 oz., 30c	.15	1.00
<b>Golden Goliath.</b> Immense golden yellow spikes.	1/4 oz., 30c	.15	1.00
<b>New York Market.</b> For greenhouse culture	1/4 oz., \$1.50	.75	....
<b>Mimosa Pudica.</b> (Sensitive Plant).	1/4 oz., 55c	.25	1.80
<b>Mimulus Moschatus</b> (Musk Plant)		.35	....
<b>Tigrinus.</b> Large-Flowering. Single, mixed.		.35	....
<b>Nemesia Strumosa Suttoni</b> Mixed.	1/4 oz., \$1.00	.25	....
<b>Nana Compacta Blue Gem.</b> Blue. 8 in.	1/8 oz., 60c	.35	....
<b>Edelweiss</b> (White Gem).		.35	....
<b>Fire King.</b> Cerise scarlet.	1/8 oz., 60c	.35	....
<b>Orange King.</b> Rich orange.	1/8 oz., 60c	.35	....
<b>Triumph Mixed.</b>	1/4 oz., 90c	.35	3.20
These dwarf Nemesias are fine for pots and combinations.			
<b>Nierembergia Hippomanica Coerulea.</b> Forms a cushion of light green foliage covered with flowers of a delicate lavender hue, 1 to 1 1/4 inches across; clear yellow eye. Outstanding pot and bedding item, 9 in.	1/32 oz., \$1.00; 1/16 oz., \$1.75	.50	....
<b>Purple Robe.</b> Similar to Nierembergia Hippomanica, except several shades deeper blue or violet-blue in color.	1/16 oz., \$3.00; 1/32 oz., \$1.65	.50	....
<b>Nigella Damascena, Miss Jekyll.</b> Dark blue. 18 in.		.25	....

## Nasturtium

### DOUBLE TALL FRAGRANT VARIETIES

- Fire Gleam. Vivid orange scarlet.  
 Golden Gleam. Semi-double, yellow.  
 Indian Chief. Foliage dark green, vivid scarlet flowers.  
 Mahogany.  
 Orange Gleam. Orange.  
 Primrose.  
 Scarlet Gleam. Bright orange-scarlet, fragrant.  
 Supreme Salmon Cerise.  
 Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers.  
 Each of above,  $\frac{1}{4}$  lb., 70c; oz., 25c; lb., \$2.40.

### DOUBLE DWARF FRAGRANT VARIETIES

- Golden Globe. Yellow.  
 Globe of Fire (Scarlet Gem).  
 Mahogany.  
 Gem Mixed.  
 Each of above,  $\frac{1}{4}$  lb., 80c; oz., 25c; lb., \$2.80.

### DWARF SINGLE SORTS

Vaughan's Special Dwarf Mixture. Contains	Oz.	$\frac{1}{4}$ lb.	Lb
a percentage of double flowers.....	\$0.20	\$0.50	....
Empress of India. Deep crimson, dark-leaved.....	.20	.80	\$3.00

### TALL SINGLE MIXTURE

Vaughan's Special Tall Mixture. Our mixture contains a liberal amount of Gleam Hybrids,	.20	.50	....
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	Trade pkt.	Oz.
<b>Nicotiana Affinis.</b> White, sweet-scented. 32 in.	\$0.15	\$1.00
Affinis Hybrids. Mixed colors. 32 in.....	.15	60
Crimson Bedder. Rich deep crimson. $\frac{1}{4}$ oz., 50c	.25	1.80
Nana. Crimson Flame.....	.35	....
Daylight. In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. When developed, the plants are of a very bushy habit, reaching a height of $1\frac{1}{2}$ to 2 feet, and about the same distance across, throwing an abundance of pure white flowers with the same delightful scent in the evening as <i>Nicotiana Affinis</i> , and makes an ideal subject for bedding purposes.....	$\frac{1}{16}$ oz., 80c	.35
Sanderae. Crimson King. 30 in.....	.20	.80
Hybrids. Mixed. 30 in.....	.20	.80
Suaveolens (Orange Blossom). An elegant, small-flowered pure white species, delightfully scented, which makes a fine pot plant.....	$\frac{1}{16}$ oz., 80c	.35
<b>Nolana.</b> Blue Ensign. Native Chilean Bellflower. In pots it will grow 12 to 15 inches high; outdoors it spreads a little and throws up large ultra-marine-blue flowers on stems 5 or 6 inches high. Sow outdoors in May where the plants are to bloom. Fragrant.....	$\frac{1}{8}$ oz., 75c	.35
<b>Passiflora</b> Coerulea Blue (Passion Flower). Slender but strong grower. Flowers $2\frac{1}{2}$ to $3\frac{1}{2}$ inches across, slightly fragrant, greenish white; the corona is blue at the tip, white in the middle and purple at the base.		.35
<b>Pennisetum</b> Ruppelianum. Ornamental grass for edging Canna beds. Long graceful purple sprays.....	$\frac{1}{4}$ oz., 80c	.30
Longistylum. Has a broad spike 2 to 4 in. long and feathery white plumes.....	$\frac{1}{4}$ oz., 80c	.30
<b>Perilla</b> Nankinensis. Valuable foliage plant resembling <i>Coleus</i> ; dark mulberry-colored leaves, does well in cities, smoke and gas do not affect it. $\frac{1}{4}$ oz., 60c		.25
<b>Plumbago</b> Capensis. Spikes of rich pale blue flowers.....	100 seeds. 75c	....
<b>Phacelia</b> Campanularia. Gentian-blue, white anthers. 6 in.....		.20
<b>Pheasant's Eye</b> Pink. See <i>Dianthus Plumarius</i> in Perennial Pages.		



PHLOX *Drummondii Gigantea*

## Phlox Drummondii Grandiflora

These grandiflora varieties make fine cut flowers. For best results, sow seed where you want them to bloom.

Alba. White.	Rosea Albo-oculata. Salmon rose
Alba Oculata. White with eye.	white eye.
Brilliant. Rose dark eye.	Scarlet.
Carnea. Flesh.	Stellata Atropurpurea. Deep red-
Chamois Rose.	dish purple with white eye.
Cinnabar Scarlet. Brightest red.	Stellata Rosea. Rose with white
Crimson.	eye.
Flaming Velvet. Deep velvety	Stellata Splendens. Scarlet white
red.	eye.
Isabellina. Buff yellow.	Violet Blue.
Rosea.	Violet with white eye.

Each of above: trade pkt., 35c;  $\frac{1}{4}$  oz., 75c; oz., \$2.40.

	Trade pkt.	Oz.
Best large-flowering Mixed.....	$\frac{1}{4}$ oz., 60c	\$0.25
Vaughan's Special Mixture.....	$\frac{1}{4}$ oz., 75c	.35
Cuspidata mixed. Starred varieties Mixed..	$\frac{1}{4}$ oz., 60c	.25
Gigantea Art Shades.....	$\frac{1}{4}$ oz., 90c	.40
Mellow Moon. New. Pastel yellow. See Novelties.		
.....	$\frac{1}{4}$ oz., \$1.25	.50
Red Glory. This is the richest bright red, with contrasting white eye.....	$\frac{1}{4}$ oz., 90c	.40
Rosy Morn. Rose-pink with white eye, color deeper than <i>Petunia</i> of same name.....	$\frac{1}{4}$ oz., 90c	.40
Salmon Glory. Pure salmon-pink with creamy white eye.....	$\frac{1}{4}$ oz., 90c	.40

### DWARF VARIETIES

Vaughan's Beauty Mixed. This fine strain of large flowering dwarf Phlox is especially recommended for pot culture, combination and border planting. The plants grow about 8 inches high, compact, and very free blooming.....			
	$\frac{1}{4}$ oz., \$1.00	.35	3.20
Dwarf Mixed. ....	$\frac{1}{4}$ oz., 80c	.35	2.80
Apricot.	Isabellina. Buff yellow.		
Crimson.	Mirabilis, Begonia rose white eye.		
Chamois Rose.	Snowball. White.		
Coerulea Oculata. Blue white	Violet blue.		
eye.	Violet blue with white eye.		
Fireball. Scarlet.			
Each of above.....	$\frac{1}{4}$ oz., 90c	.40	3.20



PANSY VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

# PANSIES

Pansies have long been a favorite with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety, Maple Leaf, several years ago.

## VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.30;  $\frac{1}{4}$  oz., \$2.25; oz., \$8.00; 4 oz., \$30.00.

## VAUGHAN'S SUPER SWISS GIANT MIXTURE

One of our leaders and represents the choicest strain of this popular and profitable flower. Combining the finest selections of several Pansy specialists, the perfect blending is further insured by the addition of separate colors that do not generally appear in the average mixture. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00;  $\frac{1}{4}$  lb., \$36.00.

## VAUGHAN'S DWARF SUPER SWISS MIXED

This type, being shorter and more compact, is more suitable to plant sales. The color range is as good as that of the Improved Swiss. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.40;  $\frac{1}{4}$  oz., \$2.40; oz., \$8.00.

## GIANT SWISS SEPARATE SORTS

**Swiss Alpenglow.** Rich wine-red shades.

**Swiss Berna.** Dark violet-blue.

**Swiss Blue (Ullswater, Thuner Sea).** The most distinct rich deep ultramarine blue with darker blotches.

**Swiss Coronation Gold.** Flowers golden-yellow. Perfectly round flowers, slightly ruffled edges. This is the best pure yellow pansy.

**Swiss Luna.** Soft sulphur-yellow self.

**Swiss Pure White.** The best pure white pansy.

**Swiss Rhinegold.** Canary-yellow with dark blotches.

Each of the above: Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Swiss Giant Orange.** A perfectly round flower with overlapping petals of good substance. Color is a vivid orange, the upper petals carrying a halo of golden yellow. The lower petal is a deep orange. Trade pkt., \$1.00;  $\frac{1}{8}$  oz., \$3.00.

**Swiss Raspberry Rose.** An entirely new color in the Swiss Giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petal and is marked with a velvety blotch in a deeper tone. Trade pkt., \$1.00;  $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.50; oz., \$12.00.

## VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.60;  $\frac{1}{4}$  oz., \$2.75; oz., \$9.00.

## VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

A selection of the distinct variety Maple Leaf Giants which we introduced some years ago; having large leaves of a rich dark green and flowers of gigantic size and heavy substance, with good stems, in a beautiful color range. Plants of compact and sturdy growth. See Back Cover for colored illustration. Trade pkt., 90c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

## VAUGHAN'S LONG STEMMED WINTER-FLOWERING MIXED RESELECTED

It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early. Trade pkt., 60c. Trade pkt., \$1.00;  $\frac{1}{8}$  oz., \$2.50;  $\frac{1}{4}$  oz., \$4.80.

## VAUGHAN'S GIANT MIXTURE

Large flowers of good substance in a complete color range in light and dark shades. Probably the best general complete high grade mixture obtainable. Trade pkt., 50c;  $\frac{1}{4}$  oz., \$2.50; oz., \$8.00;  $\frac{1}{4}$  lb., \$30.00.

**Delft Blue.** Porcelain-blue. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Geneva Giant Mixed.** Grown from Originator's Stock Seed. A very fine strain. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.75; oz., \$10.00.

**America, Ideal Bedding or Basket Pansy.** Good substance with wide color range. Free-flowering. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.40;  $\frac{1}{4}$  oz., \$2.40; oz., \$9.00.

**Engelmann's Giant Mixture.** Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Giant Spring Beauty.** It is a large flowering, very long stemmed, extra early blooming, upright strain. It would make an excellent variety to push for an early spring garden Pansy for cutting. Under good conditions it will have stems from 7 to 9 inches long. It is not the same as the regular Winter Flowering Pansy. The plants are heavier with broader leaves, more compact and both the stems and the flowers are heavier. The color is largely in blue and yellow, ideal for spring. The flowers are also much larger than the regular Winter Flowering type and of heavier texture. Trade pkt., \$1.00.

**Jumbo Mixed.** Extra large and early; long stemmed flowers. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.40;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00; oz., \$14.00.

**Masterpiece—Giant Curled.** The colors are superb, mostly red and brown shades. Trade pkt., 50c;  $\frac{1}{4}$  oz., \$1.80; oz., \$6.00.

**Oregon Giants (Originator's Stock).** A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage. Pkt. 200 seeds, 50c; pkt. 500 seeds, \$1.00; 3 \$1.00 packets for \$2.00;  $\frac{1}{2}$  oz., \$6.00; oz., \$12.00.

**Butterfly Hybrids.** The flowers, after years of selection, are a ruffled and frilled type. The colors are exquisitely beautiful pastel shades including flesh-pinks overlaid with bronze, clear, strong orchids, pinks as bright as daisies, deep rose, and yellows so deep they look almost orange. The markings, too, are different. Upper petals show a vivid sunburst while lower petals are blotched with metallic sheens of color like the wings of butterflies. Trade pkt., \$1.00;  $\frac{1}{8}$  oz., \$3.00;  $\frac{1}{4}$  oz., \$5.00.

## GIANT SEPARATE SORTS

**Adonis.** Light blue, white center.

**Beaconsfield.** Deep purple, upper petals white.

**Black.** Large flowered, true black.

**Bright Blue.**

**Prince Henry.** Darkest blue.

**Purple.** Very large, rich deep purple.

**Pure Yellow.**

**St. Knud.** Golden orange.

**White with Purple Eye.** Very large.

Each of above, Trade pkt., 35c;  $\frac{1}{8}$  oz., 80c;  $\frac{1}{4}$  oz., \$1.50.

**Early Flowering or Ice Pansies.**

Flowers three weeks earlier than others, affording an excellent companion for early spring flowering bulbs.

**Blue Boy.** Lavender.

**Helios.** Pure yellow.

**Winter Sun.** Golden yellow with black eye.

Each of above, Trade pkt., 35c;  $\frac{1}{4}$  oz., \$1.20; oz., \$4.40.

# Petunias—Complete List for Bedding and Pots



PETUNIA FLUFFY RUFFLES

## DWARF CALIFORNIA GIANTS IMPROVED (Vaughan Blend)

In this remarkable strain, flowers of the largest size are borne on plants of dwarf habit, a combination which is ideal for pot culture and bedding. Flowering begins early, when the plants are very small, so that salable plants are quickly produced. Plants sell on sight. They are bushy, grow about 12 in. high and produce their immense open faced, deeply ruffled flowers freely. Some are self colors veined in a contrasting shade, some combine two or more colors in the same flower in a wonderful color harmony. The dark rich colors predominate.

½ Trade pkt., 75c; Trade pkt., \$1.25;  
¼ oz., \$2.50; ½ oz., \$4.50; 1/16 oz., \$8.00.

**Dwarf California Giants. Dark Selection.** A favorite with many growers and it has given universal satisfaction.

½ Trade pkt., 60c; Trade pkt., \$1.00;  
¼ oz., \$1.75; ½ oz., \$3.20; 1/8 oz., \$11.00; oz., \$64.00.

**Dwarf Giants of California Ramona Strain,** dark and light shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats.

½ Trade pkt., 60c; Trade pkt. \$1.00;  
¼ oz., \$1.40; ½ oz., \$2.60.

**Extra Dwarf Giants of California.** This new strain has been bred to fill the need for a truly dwarf pot Petunia. It is by far the best strain for this purpose in existence today. The color range has also been greatly improved and brightened. 1000 seeds, \$1.50 ¼ oz., \$3.50; ½ oz., \$6.50; 1/16 oz., \$12.00.

## RUFFLED GIANTS WITH LARGE-VEINED THROATS

The flowers in this section measure from 5 to 7 inches across.

**Copper-Red.** Dark-throated. ¼ oz., \$1.40; ½ oz., \$2.80 \$0.75

★ **Giants of California. Mixed.** This is a most superb mixture, not at all to be compared with the seed usually offered. ¼ oz., \$1.40; ½ oz., \$2.70; 1/16 oz., \$4.75 .75 ....

**Glamour.** The blooms are deeply ruffled and a rich salmon-rose, with soft tan veining on a creamy buff background deep in the wide-open throat. Giants of California type. ½ oz., \$3.50; ¼ oz., \$1.75 .75 ....

## RUFFLED GIANTS—Continued

**Pink Shades.** The colors in this pink mixture ranges from deep rose pink to a light apple blossom and from a coppery rose to a light salmon, also pink and white variegated. Size of flowers varies from four to five and a half inches in diameter and are very nicely ruffled. ¼ oz., \$1.50 \$0.75 ....

**Irene.** Dark carmine red, with white center, center slightly veined. Flowers four and a half to five inches in diameter. ¼ oz., \$1.40 .75 ....

**Prince of Wuerttemberg.** Rich dark red with dark throat. ¼ oz., \$1.40; ½ oz., \$2.70 .75 ....

**Princess of Wuerttemberg.** Pink veined purple. ¼ oz., \$1.40; ½ oz., \$2.70 .75 ....

**Salmon Beauty (Marylyn).** A unique color, rich salmon. ¼ oz., \$1.50 .75 ....

**Supreme Florist strain of Giants of California.** Of rose and pink shades. A strain with large ruffled, shallow, open throated flowers freely produced on strong growing plants. ¼ oz., \$1.50; ½ oz., \$2.75; 1/16 oz., \$5.00 .75 ....

**Ruffled Monsters in mixture.** ¼ oz., \$1.20; ½ oz., \$2.00; 1/16 oz., \$3.60 .50 ....

## LARGE SINGLE FRINGED

(Flowers 3 to 4 inches across)

**Blushing Maid.** The flowers are of largest size, deeply fringed and ruffled, of a rosy pink and white with yellow veins and throat. One of the loveliest giant single Petunias. ¼ oz., \$1.50 .50 ....

**Carmencita.** New. A bright salmon-red. See Novelties. 1.00 ....

**Dainty Lady.** The plants are neat, compact, semi-dwarf and free flowering, bearing generous quantities of medium sized, delicately fringed dark cream colored flowers. ½ oz., \$2.75; ¼ oz., \$1.50 .50 ....

**Fringed Snowstorm.** The flowers are pure glistening white, of good substance, with a slight tinge of yellow in the throat which adds to the attractiveness of the blossom. The blooms are 2½ to 3 inches in diameter and deeply fringed. The habit is dwarf and spreading; breaks nicely to produce a compact plant, making it ideal for pots and bedding. ¼ oz., \$1.50. 1.00 ....

**Royal Beauty (Marine).** The most beautiful of all blue purple Petunias. ¼ oz., \$1.50; ½ oz., \$2.75 .50 ....

**Royalty.** The immense ruffled and waved blossoms vary from pure white touched with purple through varying combinations of purple and white to rich self colored blossoms. Often blossoms of all these combinations appear on one plant. ½ oz., \$2.75; ¼ oz., \$1.50 .50 ....

**Scarlet Beauty.** Bright scarlet. Good sized, well fringed beautiful flower. ¼ oz., \$1.50 .50 ....

**The Art.** Fringed flowers boldly striped carmine rose and pure white. See Novelties. ¼ oz., \$1.75 .50 ....

**Fluffy Ruffles.** In our opinion, the very best strain available, finely fringed and ruffled; mixed colors, about 75% ruffled. ½ oz., \$1.40; 1/16 oz., \$2.50 .50 ....

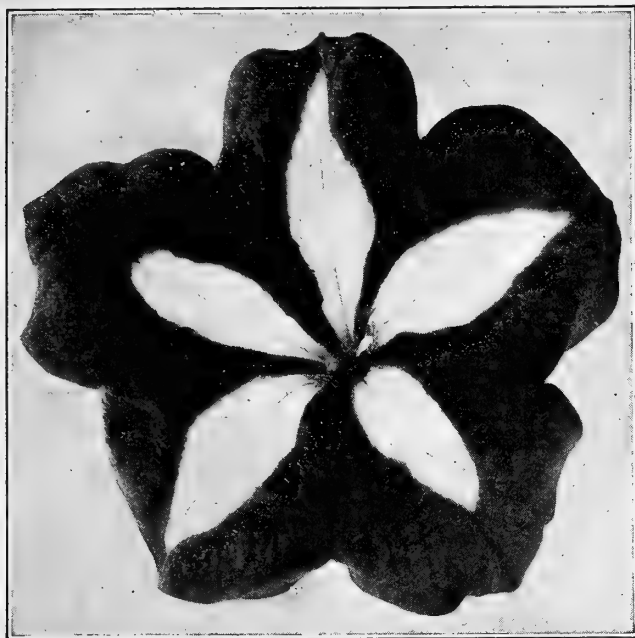
**Ruffled Little Giants Mixed.** A very brilliant and merry mixture of large flowering fringed and ruffled flowers which cover the dwarf erect growing plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for beds or borders and wonderful for pots. 8 to 10 inches. See inside front cover for illustration in color. ¼ oz., \$1.40; ½ oz., \$2.50; 1/16 oz., \$4.50 .75 ....

**Theodosia.** Re-selected. Large flowered, fringed, rosy pink with a clearly defined, golden throat. Fine for window boxes. ½ oz., \$2.50; ¼ oz., \$1.40; .50 ....

**White Beauty.** White fringed, ½ oz., \$2.75. ¼ oz., \$1.50. .50 ....

**White Mound.** A perfect mound of fringed white blossoms. An excellent plant for cemetery planting. ¼ oz., \$1.75; ½ oz., \$3.00 .75 ....





PETUNIA Elk's Star

## PETUNIAS—Continued

### LARGE SINGLE PLAIN EDGED

(Flowers 3 to 4 inches across)

	Trade pkt.	Oz.
<b>Blue Beauty.</b> A new large-flowering Petunia of clear, deep blue. Flowers of extra large size on plants of vigorous growth. Extremely free flowering. ....		
.....	1/4 oz., \$1.40	\$0.50
<b>Burgundy.</b> Large-flowered, 3 1/2-inch blooms, shades of purple or carmine with white throat and tube with violet veins. ....	1/4 oz., \$1.00	.50
<b>Dazzler.</b> A new exceedingly brilliant large flowering low growing dazzling scarlet shows minor variation from seed. ....	1/4 oz., \$1.00	.50
<b>Dwarf Elk's Pride.</b> Velvety violet. Customers will find our strain vastly superior to quality usually offered. It is really "re-selected". ....	1/4 oz., \$1.40; 1/32 oz., \$2.50; 1/16 oz., \$4.50	.50
<b>Dwarf Pink Glory.</b> Compact habit, pure flame rose-pink. ....	1/2 oz., \$2.00	.50
<b>Giant Flaming Velvet.</b> Vivid velvety blood-red, comes 100% true. ....	1/4 oz., \$1.40	.50
<b>White Cloud.</b> 12 in. A great favorite on account of its dwarf compact habit. ....	1/4 oz., \$1.00; 1/32 oz., \$1.75; 1/16 oz., \$3.25	.50
<b>Snow Storm Improved.</b> Flowers are the purest white and the uniformity of the dwarf compact growth is marvelous. 1/16 oz., \$5.25; 1/32 oz., \$3.00; 1/64 oz., \$1.75		.75

### LARGE-FLOWERING DWARF (Erfurt strain)

	Trade pkt.	Oz.
<b>Lace Veil.</b> 12 in. Large pure white flowers with fringed petals many waved. ....	1/4 oz., \$1.50	\$0.50
<b>Setting Sun.</b> 12 in. Compact bushes, brilliant rose-pink fringed flowers, the very best of its color. ....	1/4 oz., \$1.50; 1/32 oz., \$2.75	.50
<b>Violet Blue.</b> Extra dwarf. ....		.50

### BALCONY PETUNIAS

The strong branching growth makes this type especially suitable for window or porch boxes and hanging baskets.

	Trade pkt.	Oz.
<b>Black Prince.</b> A wonderful bedding variety, color of deep rich velvety red. Free bloomer. Similar to Flaming Velvet, but richer in color and approximately 100% true. ....	1/8 oz., \$1.00; 1/4 oz., \$1.75	\$0.35
<b>Blue.</b> Velvety violet blue. ....	1/8 oz., 90c; 1/4 oz., \$1.65	.35
<b>Red.</b> ....	1/8 oz., 75c; 1/4 oz., \$1.35	.35
<b>Rose.</b> ....	1/8 oz., 75c; 1/4 oz., \$1.35	.35
<b>Rosy Morn.</b> Rose with white throat. ....	1/8 oz., 75c	.35
<b>Star of California.</b> Violet shaded crimson, white blotches. ....	1/8 oz., 75c; 1/4 oz., \$1.35	.35
<b>White.</b> ....	1/8 oz., 75c; 1/4 oz., \$1.35	.35
<b>Balcony Mixed,</b> the above. 1/8 oz., 75c; 1/4 oz., \$1.35		.35

**Vaughan's Best Mixture.** Large-flowering single sorts. This mixture is made up by ourselves from all the best single Petunias both fringed and plain-edged, and will give the most satisfactory results. Trade pkt., 50c; 1/4 oz., \$1.00; 1/32 oz., \$1.80; 1/16 oz., \$3.20.

### SINGLE SMALL-FLOWERED SORTS

	Trade pkt.	Oz.
<b>Blue King.</b> Bright violet blue. ....	1/4 oz., 50c	\$0.25 \$1.80
<b>Flaming Velvet.</b> Rich brilliant velvety blood-red or crimson flower. ....	1/8 oz., \$1.00	.35
<b>General Dodds.</b> Velvety red. ....	1/4 oz., 50c	.25 1.80
<b>Howard's Star Improved;</b> reselected. Dark velvety purple, blotched white. ....	1/8 oz., 50c; 1/4 oz., 90c	.35
<b>Inimitable</b> blotched and striped. ....	1/4 oz., 50c	.25 1.80
<b>Norma.</b> Violet blue with white star. ....	1/4 oz., \$1.25	.35
<b>Radiance.</b> A cerise-rose with underlying salmon. The throat is golden yellow below where the bloom starts to flare. ....	1/4 oz., 90c	.35 3.20
<b>Topaz Rose.</b> Fiery rose suffused gold, throat topaz. ....	1/4 oz., 90c	.35 3.20
<b>White King.</b> Snowy clear white. ....	1/4 oz., 60c	.25 2.00
<b>De Luxe Bedding Mixture.</b> ....	1/4 oz., 60c	.25 2.20

### SINGLE SMALL-FLOWERED DWARF SORTS

	Trade pkt.	Oz.
<b>Admiral.</b> Extra Reselected. This is the best dwarf clear blue Petunia, of good size, and even compact growth. ....		
.....	1/4 oz., \$1.60; 1/32 oz., \$3.00; 1/16 oz., \$5.50; 1/4 oz., \$20.00	\$0.75
<b>Blue Ball.</b> Early flowering velvety violet blue. Several shades lighter than Blue Bird. Dwarf and compact growth. One of the best ever offered. ....	1/8 oz., 70c; 1/4 oz., \$1.30	.35 \$4.50
<b>Blue Bird.</b> Deep violet, extra fine. ....	1/4 oz., 80c	.25 2.80
<b>Bright Eyes.</b> Covered with small 1 1/2 in. flowers of soft pink with white throat. ....	1/8 oz., \$1.00; 1/4 oz., \$1.75	.35 6.00
<b>Cheerful.</b> The clear salmon pink flowers have a deeper rose veining toward the throat. Growth is densely compact and the plants are studded from early summer until frost with flowers 2 1/2 in. across. ....	1/16 oz., 90c; 1/8 oz., \$1.60; 1/4 oz., \$3.00	.50
<b>Celestial Rose Improved.</b> Definitely superior to the regular Celestial Rose, slightly dwarfier in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. ....	1/8 oz., \$1.00; 1/4 oz., \$1.75	.50 6.00
<b>Cream Star.</b> Flowers grow 2 1/4 in. across and are shaped like five-pointed stars; soft creamy white deepening towards the throat to a bright golden yellow. ....	1/8 oz., \$1.10; 1/4 oz., \$2.00	.50
<b>Elk's Star.</b> A starred Petunia of exceptional merit. The blue-purple flowers, of Howard's Star type, are all uniformly marked with a pure white star. Plants, 12 to 15 inches, make an even upright growth and the flowers cover the plant. It combines particularly well with Rosy Morn for both height and a pleasing color arrangement. An outstanding variety for the Florist Trade. ....	1/16 oz., 90c; 1/8 oz., \$1.60	.50
<b>English Violet.</b> It is almost the same beautiful color as English Violets. All the flowers on a plant are the same shade and hold this uniform color from the time they first open until the last bloom. 15 to 18 inches tall. ....	1/8 oz., \$1.10; 1/4 oz., \$2.00	.50
<b>First Lady.</b> A color of light pink. The individual flower measures over 2 1/2 inches across; very free flowering. Strong sun cannot burn the beautiful color. ....	1/16 oz., \$1.25; 1/8 oz., \$2.00; 1/4 oz., \$3.75	.35
<b>Glow.</b> The richest red small flowering petunia, a dwarf bushy plant which is covered with 2 1/2 inch flowers of dazzling carmine red. ....	1/16 oz., \$1.25; 1/8 oz., \$2.00	.35
<b>Glowing Rose.</b> A vivid rose. See Novelties. ....	1/8 oz., \$1.60; 1/16 oz., 90c	.50
<b>Heavenly Blue.</b> Reselected. Beautiful silvery lilac. ....	1/8 oz., 90c; 1/4 oz., \$1.50	.35 5.00
<b>Igloo.</b> The small, 1 1/2 inch, creamy white single flowers with yellowish throats cover the plants in a sheet of bloom 12 to 15 in. ....	1/8 oz., \$1.10	.50
<b>King Henry</b> (Dwarf Flaming Velvet). Large flowers of a rich velvety blood-red color. Very free flowering. Excellent pot variety. ....	1/2 oz., \$1.30; 1/16 oz., \$2.50; 1/8 oz., \$4.50	.50
<b>Martha Washington.</b> Flowers frilled and ruffled, 3 in. in diameter. Blush pink veined rich wine-red, deepening at throat, which is a dark violet. 9 in. ....		.50

**PETUNIA Single Small Flowering—Continued**

Miniature. 10 in. A strain of dwarf compact min- ature sorts.	Trade	pkt.	Oz.
Miniature Rose Gem. Deep rich rose.... $\frac{1}{8}$ oz., 90c	\$0.35	....	
Miniature Violet Gem. Rich violet blue.... $\frac{1}{8}$ oz., 90c	.35	....	
Peach Red. Deep salmon with light reddish suffusion. ..... $\frac{1}{16}$ oz., 75c; $\frac{1}{8}$ oz., \$1.25	.35	....	
Rose of Heaven Select. A brilliant rose-pink..... ..... $\frac{1}{4}$ oz., 75c	.35	\$2.80	
Rosy Morn. Select. Pink with white throat..... ..... $\frac{1}{4}$ oz., 75c	.35	2.80	
Rose Queen Improved. Intense rose.... $\frac{1}{8}$ oz., \$1.00	.50	....	
Salmon Supreme. Distinct new light salmon color. Flowers about 1½ in. across with white throat and plain petals..... $\frac{1}{16}$ oz., \$1.20; $\frac{1}{8}$ oz., \$2.00	.50	....	
Snow Queen. Compact in growth with abundance of snow-white flowers..... $\frac{1}{4}$ oz., \$1.00	.35	3.60	
Sutton's Blue Bedder. Midblue..... $\frac{1}{4}$ oz., \$1.00	.35	3.60	
Topaz Queen. Deep scarlet rose, free flowering..... ..... $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75	.35	....	
Twinkles. Masses of small, brilliant rose flowers with well-defined pure white star..... $\frac{1}{4}$ oz., 70c	.25	2.40	
Velvet Ball. Velvety blood red, a shade lighter than King Henry in color. A vigorous grower, producing a dwarf spreading plant with heavy foliage; very free flowering. Ideal for bedding. $\frac{1}{8}$ oz., \$4.50; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{32}$ oz., \$1.30.....	.50	....	
White Perfection. They are compact in growth with abundant snow-white flowers, which profusely cover the plants. The individual flower measures about two inches across..... $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.20	.35	4.00	
Vaughan's Special Dwarf Mixture. Small flowering sorts..... $\frac{1}{4}$ oz., 75c	.35	2.80	
Starred Mixture of Dwarf Hybrid Varieties. This in- cludes all varieties in which a star of a contrasting color appears in the flower..... $\frac{1}{4}$ oz., \$1.25	.35	3.75	

**DOUBLE PETUNIAS**

We are glad to offer this year a wider selection of seed of these ever-popular florists' plants.

The All Double Victorious Strain of Petunia is sold out for the season. Due to most unfavorable conditions at time of harvest, supply was limited. We recommend you give every consideration to the **Pan-American Strain**, illustrated in color on our **Inside Front Cover**, as well as the **Colossal Shades of Rose and America**.

**DOUBLE LARGE-FLOWERING****PAN-AMERICAN STRAIN**

Allegro. Large double fringed deep salmon flowers. A beautiful new color in this class that will appeal to many customers.	Trade	pkt.	Oz.
Caprice. Double deep fringed bright rose flowers on dwarf-growing plants. A very attractive color that will sell on sight.			
Nocturne. A deep midnight-purple of Elk's Pride purple. Flowers somewhat semidouble.....			
Sonata. Large, double, pure white flowers. Fine for Mothers' day. Recommend pinching plants to induce branching. <b>Each of the above: 500 seeds, \$2.50; 1000 seeds, \$4.00.</b>			
Glorious Mixture. Contains tall and dwarf types in all of the above colors. This formula mixture is first class in every respect. See Inside Front Cover for color illustration. $\frac{1}{32}$ oz., \$21.00; $\frac{1}{64}$ oz., \$12.00; $\frac{1}{128}$ oz., \$6.50; 500 seeds \$2.00; 1000 seeds.....	\$3.50	....	
Colossal Shades of Rose. Winner of All America Award for 1946. The first Giant All-Double Petunia produced in America. These giant double blooms are up to 5 inches or more across on vigorous compact plants, and are especially valuable for pot plants. This blend of colors comes in rich rose shades from salmon-pink through rosy-pink to deep rosy-mauve. Start seed early, grow cool near the glass and give plenty of room. These will make fine 4 to 5-inch pot plants for Easter, Mothers' day and spring combinations. $\frac{1}{64}$ oz., \$9.00; $\frac{1}{128}$ oz., \$5.00; 500 seeds, \$1.50; 1000 seeds.....	2.50	....	

**DOUBLE SMALL-FLOWERING**

All-Double America. America is the all double type, of medium size, 100 percent carnation-flowered, and rose-pink in color. It supersedes the Double Rosy Morn with same color and growth. America Petunia is a hybrida nana, an abundant bloomer from early summer to frosts; for bedding and cutting. Uniform and true. $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$12.00; 500 seeds, \$1.25; 1000 seeds.....	2.00	....	
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PETUNIA—ALL DOUBLE TYPE

**Pentstemon**

These attractive tubular or bell-shaped flowers produced on good strong spikes make very fine plants that are exceptionally good for bedding and border planting. Although perennial in warmer climate, they are easily grown as annuals. Sow seed early (January-March) and treat as other annual bedding plants.

Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft..... $\frac{1}{4}$ oz., \$1.20	Trade	pkt.	Oz.
	\$0.35	\$4.00	

See also Perennial Pages.

**Poppy—Papaver**

American Legion. Orange-scarlet flowers; are remarkable keepers.....	Trade	pkt.	Oz.
	\$0.20	\$0.80	
Rheas Shirley. Wild Rose Shirley.....	.15	1.00	
Sweet Briar. A delightful shade of deep rose-pink. The blossoms are full double, resembling a very large double begonia.....	.15	.60	
Vaughan's Special Mixture of Shirley Varieties..... ..... $\frac{1}{2}$ oz., 45c	.20	.80	

For Oriental and Nudicaule Poppies, see Perennial Pages.

**Portulaca—Moss Rose**

Single large-flowering sorts, mixed..... $\frac{1}{4}$ oz., 70c	.20	2.40	
Single Jewel. No one who has in mind the usual portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring..... $\frac{1}{8}$ oz., \$1.00	.50	....	
Double sorts, finest mixed..... $\frac{1}{4}$ oz., \$1.00	.30	3.50	
Scarlet Glow..... $\frac{1}{4}$ oz., 90c	.35	3.40	

Pyrethrum Parthenifolium Aureum (Golden Feather)..... $\frac{1}{4}$ oz., 50c	.20	1.60	
Rudbeckia Kelvedon Star. The flowers have dark brown central discs, surrounded by a shining mahogany zone on petals of deep orange... $\frac{1}{4}$ oz., 60c	.25	2.00	
My Joy (Giant Black-Eyed Susan). Large orange-yellow flowers, dark zone..... $\frac{1}{4}$ oz., 40c	.25	1.40	
Starlight. Large-flowered, semi-double. Coloring is from primrose yellow to mahogany and bicolors with mahogany centers..... $\frac{1}{4}$ oz., 90c	.35	3.20	

See also Perennials.



PRIMULA Obconica Grandiflora Fasbender Red

## Primula Obconica

### GIGANTEA WYASTON WONDER HYBRIDS.

These have huge heads of flowers carried on strong stems well above the foliage. In spite of the vigorous growth they make a compact and tidy plant.

			Trade pkt
Blood Red.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Crimson.....	1/32 oz., \$5.50; 1/64 oz., \$3.00	1.25	
Giant Rose.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Orchid Lavender.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Salmon Pink.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Scarlet.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Grandiflora Avalanche. White.....	1/32 oz., \$4.25; 1/64 oz., 2.25	1.25	
Appleblossom. Pink.....	1/64 oz. 2.25	1.25	
Better Days. Deep carmine-red. Very large-flowering The compact, well branched growth is very symmetrical and the mass of flower heads shows evenly above the dark green foliage, on strong stems.....	1/64 oz., \$2.25	1.25	
Dark Blood Red.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Sky-Blue (Konigsee). Extra-large flowers.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Fasbender Red. Flowers rich deep red of enormous size. Outstanding variety.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Lachsrosa. A beautiful salmon-rose.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Mohnstein's Dark Red.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Mueller's (Berlin) Rose.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Perle van Niederrhein. Strong growing, large flowered and free blooming scarlet red.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Rose Queen. Large blooms of great substance, bright carmine rose.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	
Mixed, many colors.....	1/32 oz., \$4.25; 1/64 oz., \$2.25	1.25	

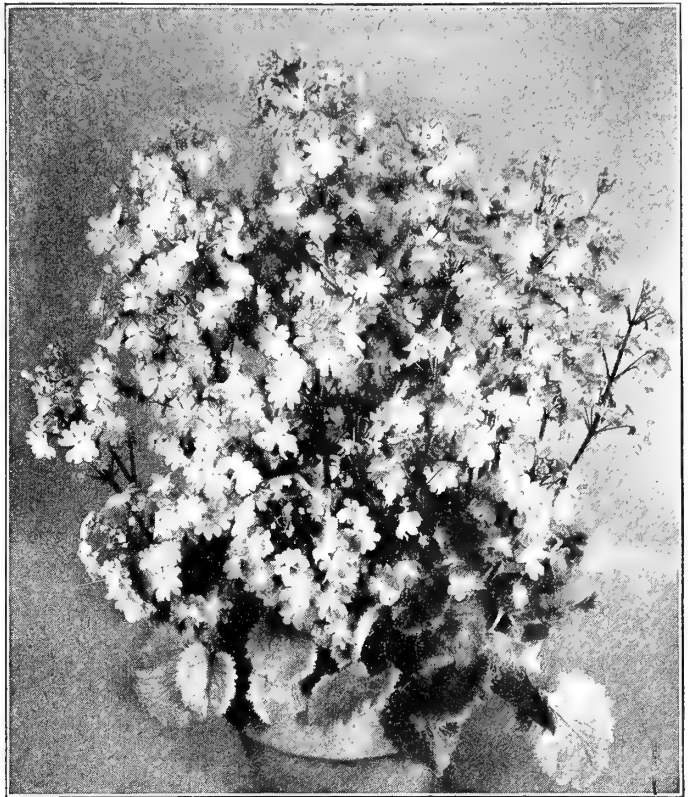
## Primula Chinese Giant

Chiswick Red Improved. Red.....	200 seeds	.80
Covent Garden White.....	250 Seeds, \$1.60; 100 seeds	.75
Dazzler. A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting.....	200 seeds	1.25
Giant Pink. Extremely large petals of great substance. Improved strain of Queen Mary.....	200 seeds	.80
Giant Salmon.....	100 seeds	.80
True Blue.....	100 seeds	.80
Vaughan's Special Mixture.....	150 seeds	.80
Giant Mixed. Includes this year a number of new shades.....	100 seeds	1.00

## Primula Chinensis Stellata

This type is indispensable for general decorative work. The plants are very floriferous and bloom for a long period. It is a good keeper, the flowers remain fresh in water for many days.

Giant Star Mixed. 200 seeds, 80c.



PRIMULA Malacoides Red Rose

## Primula Malacoides (Baby Primrose)

Recent improvements in this Baby Primrose class have made it indispensable for Florist's use. Seed sown in June will flower for Christmas and September sown seed will produce nice plants for Easter and Mother's Day. Sow in sterile soil.

Glory of Riverside Improved. True rose-pink, a strong grower and without a doubt, the most valuable variety for all purposes. Trade Pkt., \$1.00.

Lilac Beauty. The color is a pure soft lilac, absolutely fixed. This is another fine color for making up artistic combinations.

New Giant. Large flowered late blooming salmon rose.

Riverside Red Rose. Deep rose pink.

White Giant. An exceptionally strong grower and well adapted to combinations. 1/64 oz., \$2.75; trade pkt., \$1.00.

Formula Special Mixed. A real choice selection of the above varieties.

Each of above (except as noted), trade pkt., \$1.00; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

Kewensis. Yellow. Decorative, winter-flowering greenhouse plant. 12 in., trade pkt. 50c.

## New Giant Malacoides

Double Fairy Jewels. The color is a lovely rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed. Trade Packet (about 1,000 seeds), \$1.50.

Enchantress. A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are 1/8 to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes. Trade Packet (about 1,000 seeds), \$1.50.

Snow Flake. Has flowers of the purest shimmering snow white one can imagine. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply highlighted by the lush green foliage. Trade Packet (about 1,000 seeds), \$1.00.

Mixture. A mixture of giant varieties. Trade Packet (about 1,000 seeds), \$1.00.

## Malacoides Various Sorts

		Trade pkt.
Dawkins Carmine Pink.....	1000 seeds	\$1.25
Giant Crimson.....	1000 seeds	1.00
Porcelain (Delft Blue).....	1000 seeds	1.00
Princess Mary. Deep rose pink.....	1/64 oz., \$2.25; 1000 seeds	1.25
Salmon Rose.....	1/64 oz., \$2.00; 1000 seeds	1.00

## Ricinus—Castor Beans

Trade pkt. Oz.

Borboniensis Arboreus. Immense plant, green leaves. 15 ft. ....	\$0.35
Cambodgensis. Darkest maroon leaves, stalk nearly black, 4 ft. ....	.35
Crimson Spire. Large purplish leaves changing to bronzy green. The stems, stalks and veins are rich red. The seed spikes and seed pods are brilliant rosy crimson. Most showy of all. 6 ft. ....	.35
Gibsoni. Mulberry colored foliage. ....	.35
Mixed. Many kinds. ....	.25
Zanzibarensis Mixed. ....	.25

## Saintpaulia Ionantha Grandiflora

(AFRICAN VIOLET SEED)

This beautiful dwarf blue-flowered house plant (also known as Usambara Violet) has proved to be one of the most satisfactory house plants for the florist to sell. The large dark blue flowers, which resemble violets, are produced very freely; plants having as many as 25 blossoms and more at one time are not unusual. The attractive small velvety leaves which are almost stemless, form a neat cushion from which rise these attractive flowers. Trade pkt., \$1.50.

## Salvia Splendens

Sow seed in flats and give bottom heat, as this helps germination of seed considerably.

<b>America</b> (Globe of Fire). A favorite with many growers. Trade pkt. Oz.	
Plants grow about 18 inches high, in uniform dense globe-shaped bushes. .... ¼ oz., \$1.35	\$0.50 \$4.50
Blaze of Fire. Orange scarlet. The earliest of all, dwarf early flowering. .... ¼ oz., \$2.00	.75 6.50
Harbinger. 16 in. Very early, scarlet. .... ¼ oz., \$1.40	.50 5.00
Clara Bedman (Bonfire). Erect habit—the old standby. .... ¼ oz., \$1.35	.50 4.50
Maroon Prince. Plum color. 24 inches. .... ½ oz., \$1.25; ¼ oz., \$2.25	.75 .....

Vaughan's Masterpiece. The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. ½ oz., \$1.25; ¼ oz., \$2.25 .75 8.00

<b>St. John's Fire.</b> Blooms very early but remains in perfect condition until frost. Grows only 10 inches tall when in full bloom in August. The bright scarlet spikes stand densely and rigidly upright on the uniform and compact plants. .... ½ oz. \$1.40.	\$0.75 .....
<b>Zurich. Early, 2 ft.</b> .... ¼ oz., \$1.25	.50 \$4.40
<b>Type (Scarlet Sage). 26 in.</b> .... ¼ oz., 1.00	.40 3.50

**Salvia. Farinacea Blue Bellder.** Compact plant, deep blue flowers effective in mass planting. The long graceful stems are useful for cutting. .... ¼ oz., \$1.00 .35 3.50

See also Perennial Pages.

## Salpiglossis

Excellent summer-flowering showy annuals that are easily grown and fine for cutting. Sow seed where you want them to bloom, as they resent transplanting. Seed sown in greenhouse in January will bloom in May.

<b>Emperor Mixed.</b> Easily grown annual, seed sown in greenhouse in January will provide blooms in May; can be sown outdoors later. Excellent for cutting. .... ¼ oz., 30c	\$0.20 \$0.90
<b>Vaughan's Special Mixture.</b> .... ¼ oz., 45c	.25 1.40
<b>Giant-Flowered Dwarf Mixed.</b> These have a compact branching habit, with individual flowers half again as large as the Emperor type. Are ideally suited for bedding purposes. 20 in. .... ¼ oz., 45c	.25 1.40



SALVIA Splendens Vaughan's Masterpiece

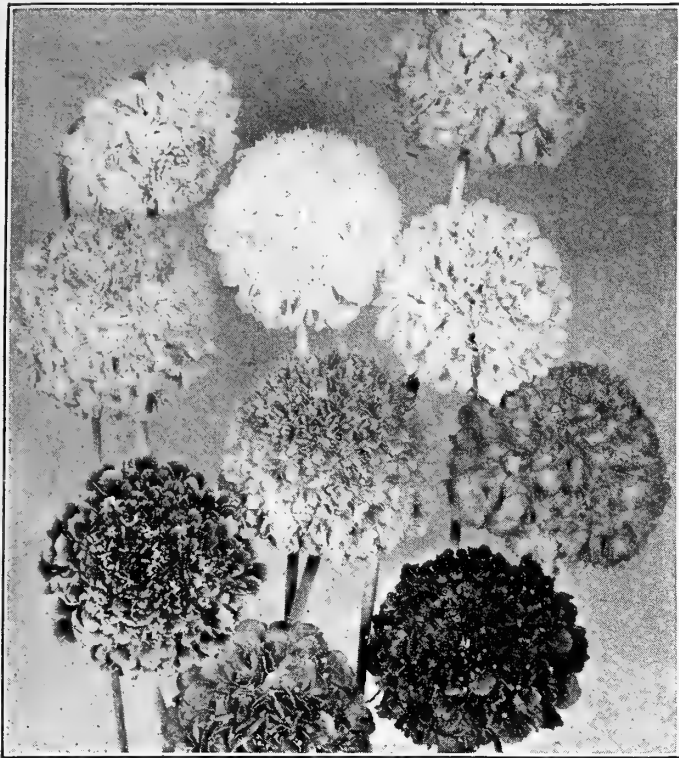
<b>Sanvitalia</b> (Creeping Zinnia) Procumbens Fl. Pl. Trade pkt. Oz.	
Double yellow, dwarf, fine edging. .... ¼ oz., 50c	\$0.25 \$1.70
<b>Saponaria</b> Vaccaria Rose. Sometimes called Pink Gypsophila. Light graceful sprays of glistening flowers produced in greatest profusion. .... ¼ lb., 80c	.... .25
Vaccaria alba, White. .... ¼ lb. 80c	.... .25
<b>Shamrock.</b> .... ¼ oz., 35c	.20 1.20
<b>Smilax.</b> .... ¼ oz., 75c	.35 .....
<b>Smilax Myrtifolia.</b> An improvement over the regular strain. Of the same growth habit; with smaller leaves. .... ¼ oz., 90c	.50 3.20
<b>Snapdragon.</b> See Antirrhinum.	

## Solanum

### ORNAMENTAL PEPPER, "CHRISTMAS CHERRY"

<b>Bird's Eye Improved.</b> The fruits are larger and as freely produced as the ordinary. They come on white, then turn blue and finally red. ¼ oz., \$1.00	Trade pkt. Oz. \$0.35 .....
<b>Vaughan's Candle Pepper.</b> A new and attractive strain of this popular Christmas plant. The peppers, which are one inch long and decidedly pointed, are creamy-yellow changing to red, producing a striking candle effect. These finely tapered peppers, which grow upright, give the plant a much daintier appearance than the old Celestial variety. If plants are pinched once, they will develop into larger and heavier plants. 500 seeds, \$1.00.	
<b>Capsicastrum Nanum.</b> Small red fruit. 15 in. ¼ oz., \$1.00	.35 .....
<b>Celestial Pepper.</b> .... ¼ oz., \$1.00.	.35 3.00
<b>Chameleon.</b> ....	.35 .....
<b>Christmas Cherry Improved.</b> .... ¼ oz., \$1.00	.35 3.00
<b>Cleveland Red (Cherry).</b> .... ¼ oz., 75c	.35 .....
<b>Hlavacek's "Masterpiece."</b> More compact than the old type and produces cherries much more freely.	.50
<b>Integrifolium (Love Apple).</b> The species Integrifolium produces fruit about an inch or more in diameter that becomes a most attractive scarlet along in Sept. It must be cut down before frost hits it and stored cool and dry until used. The start and planting out of the crop are handled as are tomatoes, for it seems to be a warm temperature plant. ....	.50 .....
<b>Patterson Variety.</b> A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller-sized pot specimens. .... ¼ oz., 75c	.35 ..
<b>Gold Ball.</b> A yellow form of the popular Patterson variety. .... ¼ oz., 75c	.35 .....
<b>Variegated Leaved.</b> ....	.35 .....





SCABIOSA Vaughan's Super\_Crown Imperial Mix.

## Scabiosa Double Large Flowering (Pincushion Flower)

	Trade pkt.	Oz.
Azure Fairy. Azure-blue. A splendid cut flower.....	1/4 oz., 25c	\$0.15 \$0.80
Black Prince. Black-purple.....	1/4 oz., 25c	.15 .80
Blue Moon. Deep lavender-blue.....	1/4 oz., 65c	.25 2.20
Blue Cockade. Deep blue.....	1/4 oz., 25c	.15 .80
Cherry-Red.....	1/4 oz., 25c	.15 .80
Fire King. Rosy-crimson.....	1/4 oz., 25c	.15 .80
Loveliness. Soft delicate salmon-rose color. Delightfully fragrant.....	1/4 oz., 25c	.15 .80
Oxford Blue. A new shade of blue. See Novelties.....	1/4 oz., 65c	.25 2.20
Rosette. Beautiful shade of deep rose heavily suffused with salmon.....	1/4 oz., 25c	.15 .80
Salmon Beauty. A pure salmon in color with huge flowers and with great vigor of growth.....	1/4 oz., 25c	.15 .80
Shasta. Pure white of enormous size.....	1/4 oz., 25c	.15 .80
Vaughan's Super Crown Imperial Mixed. An entirely new type of Scabiosa. The flower is composed entirely of broad wavy petals, fully double of great depth and size, eliminating the pin-cushion center in the older type giving the blossom a bee-hive effect. The colors are most pleasing, a complete range from white, coral, rose, red, salmon to shades of blue. Excellent for cutting. The flowers measuring 2 1/2 to 3 in. are carried erect on strong robust stems. Plants are over 3 ft. in height.....		
	1/4 oz., 50c	.30 1.60
Vaughan's Special Mixture.....	1/4 oz., 35c	.20 1.20
Dwarf. Heavenly blue.....	1/4 oz., 55c	.25 2.00
Peace. The white companion to Heavenly Blue. Flowers 1 3/4 inches across, on 6 to 8-inch stems.....	1/4 oz., 55c	.25 2.00
Mixed Dwarf. 8 in.....	1/4 oz., 50c	.25 1.60

## Schizanthus

A January sowing will make choice 3 in. plants for spring combinations. Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

Trade pkt. Oz.

Vaughan's Dwarf Masterpiece. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well balanced from light pink and rose, to a very pleasing dark violet, all with conspicuous blotches.....

## SCHIZANTHUS—Continued

	Trade pkt.	Oz.
Wisetonensis Monarch Strain. The finest strain of large flowered hybrids.....	1/8 oz., \$1.25	\$0.50 ....
Vaughan's Excelsior Hybrids. A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item.....	1/8 oz., \$1.10	.50 ....
Bridal Veil. Pure white, excellent.....	1/16 oz., \$1.20	.75 ....
Dr. Badger's Hybrids. Is compact, grows 8-10 in. high. Brilliant colors.....	1/4 oz., \$1.10	.35 ....
Pansy-flowered. The large pansy-flowered blooms are remarkably substantial, while the rich self-colors are extremely bright and attractive.....	1/8 oz., \$1.00	.35 ....

## Statice

Attractive annuals of easy culture that can be used as fresh or everlasting flowers.

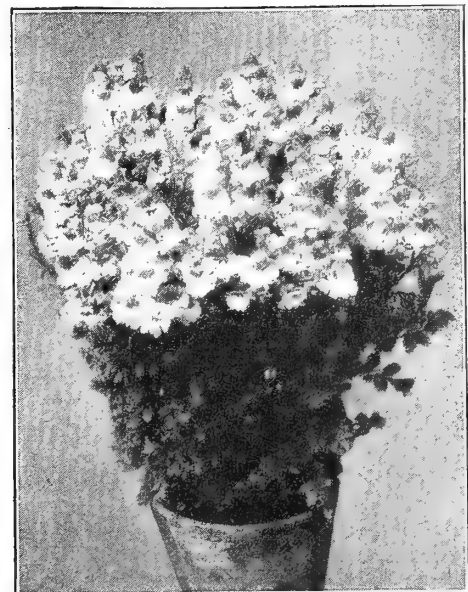
<u>Sinuata.</u> Kampf Improved variety. Tall, brilliant deep blue	White, Pure Rosea Superba Pastel Shades Mixed
Lavender Queen	
Market Growers. Deep Blue	New Colors Mixed

Trade pkt. Oz.

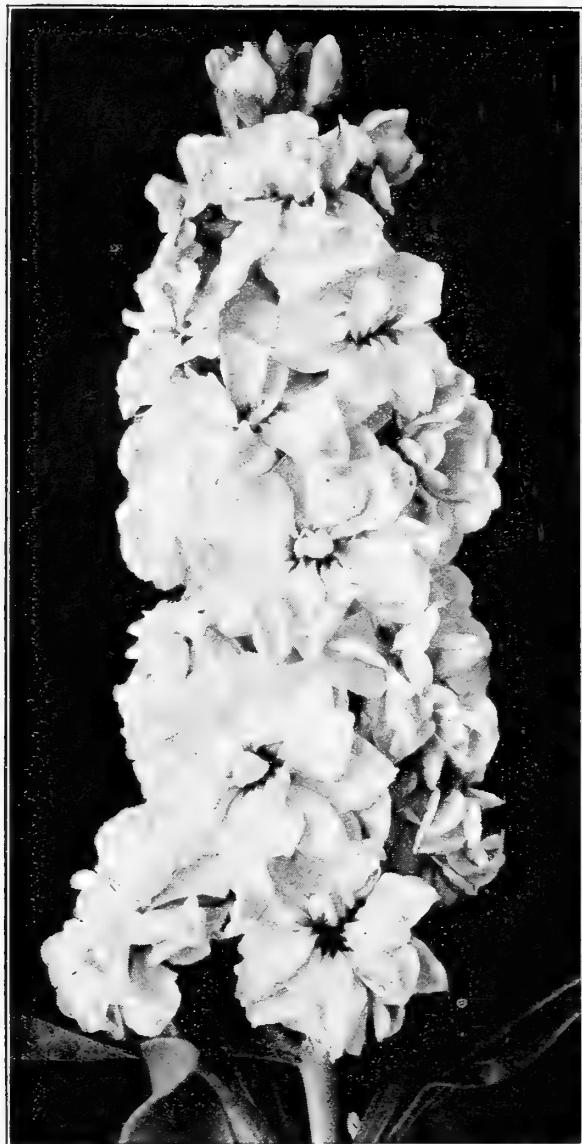
Each of the above.....	1/4 lb., \$1.60; lb., \$4.80	\$0.15 \$0.45
Bonduelli. Golden yellow.....	1/4 lb., \$1.40	.15 .40
Suworowii. Russian or Rat Tail. Flowers bright rose color. Can be grown in cool house. 30 inch.	1/4 oz., 40c	.15 1.20

See also Perennial pages.

Stevia Serrata White, fine for cut flowers.....	.35 ....
Tahoka Daisy. An unusually beautiful lavender-blue Daisy with fern-like foliage. Carried on good long stems, the flowers are many-rayed, with long slender petals of pure lavender-blue, center deep yellow.....	1/4 oz., 65c .25 \$2.20
Texas Queen Anne's Lace. An improved Wild Carrot. Will dye easily.....	1/4 oz., 30c .20 1.00
Thunbergia Mixed. Fine climber for window boxes and hanging baskets.....	1/4 oz., 45c .25 1.40
Gibsoni. A lovely graceful climber for trellis work in greenhouses, or may be flowered outdoors in summer in mild climates. It has glistening green ivy-shaped foliage and flowers of most brilliant glowing orange. 100 seeds, \$1.50; 1000 seeds, \$12.00.....	... ..
Tigridia Mixed (Shell flower of Mexico). Few flowers are more gorgeously colored or more beautiful. "Beauty For A Day" is another name, for soon after the bulbs form it sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north.....	.50 ....



SCHIZANTHUS Vaughan's Masterpiece



STOCKS NON-BRANCHING COLUMN SILVERY LILAC

## Stocks

Our Stocks are produced by the most careful growers and are equal to the best in the market.

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by Prof. S. L. Emsweller, will be included in all orders for Column Stocks seed.

### GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"	Rose "Yosemite"
Blue "Pacific"	Velvety Violet "Mojave"
Chamois "Santa Barbara"	White "Santa Maria"
Lavender "Tahoe"	Yellow "Golden Gate"
Pink "Monterey"	

Each of the above, Trade pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.25; oz., \$4.40.

Giants of California Mixed. Trade pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.20; oz., \$4.00.

### STOCKS—Continued

#### IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2 1/2 ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Antique Copper.	Appleblossom. (Blush-pink).
Buttercup. Deep golden yellow.	
★Chamois. Dark Blue.	Elk's Pride. (Royal purple)
Flesh. Pale coral pink.	Fiery Blood-Red.
Golden Rose.	★Lavender. ★Lilac. ★Rose.
★Shasta. Vigorous, glistening white.	Trade pkt. Oz.
Each of the above.....	1/8 oz., 65c; 1/4 oz., \$1.10 \$0.35 \$3.40
Giant Bismarck, Mixed. All colors.....	1/8 oz., 65c; 1/4 oz., \$1.10 .35 3.40

#### "NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2 1/2 ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

American Beauty. Rich deep carmine rose.
★Apricot (No. 20). Strong growing buff with a faint pink tinge.
Blue. Dark lilac blue.
Chamois Pink. A warm rosy buff color.
Deep Apricot. Slightly darker color than Apricot No. 20 above.
Gardenia. Flowers of the purest white. About 10 days later than White No. 16, also taller. Needs disbudding.
Illusion. Scarlet red.
★Lilac Lavender. Same as Silvery Lilac.
Pink (No. 11). Light rose-pink, exact shade of Bismarck Rose.
★Rose Pink (No. 14). A deep selection from No. 11; a rose-pink, not a deep heavy rose. Good market color. Long-stemmed, about ten days later than No. 11.
Purple Heart. Long stemmed, bright violet purple.
Ruby. Rich crimson red.
★Silvery Lilac. Lilac lavender.
★Supreme. No. 22. Rich silvery rose with extra long stems and fine heavy spike.
★Vaughan White No. 1. We especially recommend this; in our judgment, the finest pure white Non-Branching Column Stock in existence.
★White Improved. No. 16. Semi-tall pure white.
★Yellow Wonder. Best yellow.
Special Florist Mixed. Mixture of the best selling colors.
Each of above: 1/2 tr. pkt., 60c; tr. pkt. (about 1200 seeds), \$1.00; 1/4 oz., \$2.50; oz., \$9.00.

#### EXTRA DWARF COLUMN HYACINTH FLOWERED WHITE NO. 5

One of our growers reports this a fine item for Easter pot sales. Grows 12 to 14 inches high. Transplant one seedling to a 3-inch pot. Soon as plants are coming into bud and you can determine the doubles pan them together putting 3 to 4 in a 6-inch pot, 5 in a 7-inch and 7 in an 8-inch. This grower sold his doubles in 6 inch pots at \$1.00 and singles at 75c, wholesale.

1/2 trade pkt., 60c; trade pkt., \$1.00; 1/4 oz., \$2.50; oz., \$9.00.

#### EARLY COLONIAL

Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

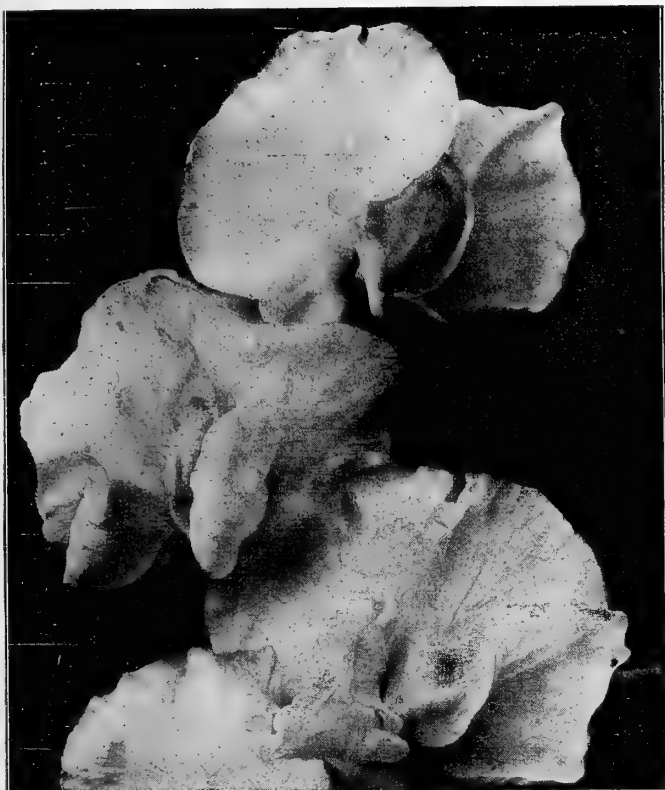
Mayflower. Red rose.	Puritan. Pure white.
Priscilla. Silvery lavender.	Rose Standish. Bright rose.
Mixed all colors. Each trade pkt., 35c; 1/4 oz., 75c.	

#### DWARF LARGE-FLOWERING TEN WEEKS

Compact pyramidal growth, excellent for pots, bedding or combinations. Not desirable for cutting.

Blood-Red	Dark Blue	Lavender
Bright Pink	Deep Rose (Carmine pink)	White
Canary Yellow		Trade pkt. Oz.
Each of above.....	1/4 oz., 55c	\$0.25 \$2.00
Dwarf Large-Flowering 10 Weeks Extra choice		
Mixed.....	1/4 oz., 55c	.25 2.00
Brompton or Winter Mixed. 1 1/2 to 2 ft.....		.50

# Sweet Peas Early-Flowering Spencer



SWEET PEAS, SPRING FLOWERING (Cuthbertson)

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c.  
Sweet Peas should be inoculated with Nitragin before planting.

Any of the following, 1/2 oz., 30c; 1 oz., 50c;  
1/4 lb., \$1.50; lb., \$5.50.

## BLUE, LAVENDER AND PURPLE

- Amethyst. An early-flowering "Royal Purple." Fragrant.
- ★Ball Blue Supreme. Much larger flowered than Mrs. Hoover, a long stemmed heavy producer.
- Blue Bird. Violet blue. Fragrant.
- Fragrance. Large frilled lavender flowers, for spring blooming.
- ★Harmony. Popular lavender, fragrant.
- Mariner. Clear marine blue.
- ★Mrs. Herbert Hoover. Bright blue. Fragrant.
- Princess Blue. Rich light blue.
- Tahoe. Midblue. Spring blooming.
- Top Hat. Deep velvety violet blue.
- ★Triumph. Deep lilac mauve.
- ★Twilight. A medium clear lavender.

## PINK, ROSE AND SALMON

- American Beauty. A rich crimson rose.
- ★Apollo. A soft salmon-cerise. Fine spring bloomer long stemmed.
- ★Ball Rose Improved. Extra rich deep rose.
- Ball Rose Supreme. Large wavy flowers of bright silvery rose pink.
- Ball Rose Queen. Extra long stemmed and large flowered clear rose pink.
- ★Boon. Deep salmon-pink.
- ★Bridesmaid. Deep silvery pink with stems unusually long.
- ★Daphne. A soft salmon-pink.
- Giant Rose Pink. Fragrant. Rose pink.
- Jeanne Mamitsch. Rose pink, long stemmed
- Josie. Brilliant rose-pink, vigorous, large flowers; long stems.
- ★Laddie Improved. Light rose-pink. Fragrant. Long stemmed.
- ★Mrs. R. H. Holscher. Rose-pink.
- New Ball Rose. Bright glowing rose. Very free flowering, but shorter vines make it valuable where headroom is limited.
- ★Sequoia. A rich golden salmon-rose.

## ORANGE

- ★Ball Orange Improved. Clear deep glowing orange.
- Fiesta. Brilliant orange cerise, definitely sunproof.
- ★Treasure Island. A sparkling golden orange.
- Valencia. Sunproof orange. Long stems for spring blooming.

## WHITE AND CREAM

- Ball White. Large flowered, long stemmed, pure white.
- Cascade. Very large flowered white, white-seeded.
- Gardenia. Fragrant velvety white flowers, ruffled and duplexed.
- ★Hope. A mammoth-flowered black-seeded pure white.
- Oriental. Black seeded cream.
- ★Snow Queen. Pure white, black-seeded. Sow to follow "mums."
- ★White Champion. Best early-flowering white-seeded white.
- ★White Harmony. A standard black-seeded white.

## SCARLET AND MAROON

- Bacchus. Mammoth flowered duplex. Rich red maroon.
- Grenadier. Dazzling scarlet.
- Pride. Pure cerise large flowers on long stems.
- Redwood. Dark velvety crimson.
- Sparks. Brilliant poppy scarlet.

Vaughan's Special Formula Mixture, Early Flowering Spencers  
from named sorts. 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$5.00.

## Summer Flowering Spencer

Any of the following: oz., 25c; 1/4 lb., 80c; lb., \$2.80.

- Ambition. Rich, deep lavender.
- Ascot. Bright pink.
- Avalanche. Glistening white.
- Bonnie Briar. Large rose-pink.
- Bridal Veil. White.
- Chinese Blue. Rich deep blue.
- Crimson King. Rich deep clear crimson.
- Ecstasy. Blush pink.
- Flag Ship. Deep navy blue.
- Gigantic. Largest and best black-seeded white.
- Gleneagles. Large lavender.
- Headlight. Orange-scarlet, sunproof.
- Highlander. Pure lavender.
- King White. Gigantic flowers of pure white.
- Mrs. Tom Jones. Bright blue.
- Pinkie. Rose-pink.
- Powers Court. Lavender.
- Prince of Orange. Deep orange.
- Red Supreme. Deep crimson.
- Ruffled Burpee Blue. Dark blue.
- Ruffled Crimson. Rich crimson.
- Ruffled Exquisite. Salmon-cerise.
- Ruffled Fluffy Ruffles. Cream pink.
- Ruffled Rose.
- Ruffled White. White seeded.
- Ruffled Mixed.
- Tangerine Improved. Glowing orange.
- Warrior. A fine maroon.
- Welcome. Dazzling scarlet.
- Vaughan's Florists' Mixture of Summer Spencer Varieties.  
Oz., 20c; 1/4 lb., 65c; lb., \$2.20.

## Spring-Flowering (Cuthbertson)

The following list of Spring Flowering varieties represents the latest improvements in this increasingly popular class. They retain identical characteristics of the already popular Spring Flowering Peas in every respect, but represent further refinements and the addition of several new colors.

Seed should be sown from the middle or end of October to February in the greenhouse for flowering in spring and summer or outside just before ground freezes up.

- Billy. Light carmine.
- Carol. Clear pink, white ground.
- Coline. Scarlet.
- Danny. Brilliant navy blue.
- David. Bright rose crimson.
- Evelyn. Salmon cream pink.
- Frances. Salmon on white ground.
- Frank G. Rosy lavender.
- Hazel. Light blue.
- Janet. Black seeded white.
- Jessie. Rich mauve shade.
- Katie. Rose cream pink.
- Kenneth. Rich ox blood crimson.
- Lois. Rose pink, white ground.
- Marion. Ceram black seeded.
- Tommy. Clear medium blue.
- Each of above, 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.00; lb., \$6.50.
- Mixed. All the above and others. . . . . 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.65; lb., \$5.50



STRAWBERRY Baron Solemacher

**STRAWBERRY BARON SOLEMACHER RED**

A good Mothers' Day item of the Alpine (non-runner) type. This can be had in fruit (and flower) on Mothers' Day, if sown in January. 3 plants in a 5 inch Azalea pot is the way to grow it. The plants will produce berries all Summer and Fall. Trade Packet, 50c;  $\frac{1}{2}$  oz., 90c;  $\frac{1}{16}$  oz., \$1.65.

**Yellow.** Identical to the above, except golden in color, and of even finer flavor. Trade Packet 50c.

**Tithonia Avalon Earliest.** The plants grow to seven feet or more. The big, long-stemmed blossoms range from orange topaz through tangerine to those with burnished oversheen of scarlet fire. ....  $\frac{1}{4}$  oz., 50c \$0.25 \$1.80

**Torenia Fournieri.** Makes a fine pot plant for Mother's day sales. Also good in combination baskets. Flowers blue with dark blotches on lip. 12 in. ....  $\frac{1}{8}$  oz., \$1.10 .50 ....

**Fournieri Compacta.** Dwarf form of above. 8 in. ....  $\frac{1}{8}$  oz., \$1.15;  $\frac{1}{4}$  oz., \$2.00 .35 ....

**Fournieri Compacta White.** ....  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{8}$  oz., \$1.15 .35 ....



TORENIA Fournieri



VINCA ROSEA

**Trachelium Coeruleum.** Free-growing annual having large cloud-like heads of tiny blue flowers resembling Gypsophila. 18 in. ....  $\frac{1}{8}$  oz., \$1.00 \$0.35 ....

**Venidium**

**Fastuosum.** 2 to 3 ft. Above the grayish silky foliage rise numerous orange flowers marked with a purple-black zone averaging four to five inches across. ....  $\frac{1}{4}$  oz., 80c .35 ....

**Fastuosum Hybrids.** 2-3 ft. A race with a remarkable range of colors, from pure white through ivory, yellow and buff, set off by glistening black centers with maroon markings at base of petals.  $\frac{1}{4}$  oz., 90c .35 ....

**Vinca Rosea**

These are slow growers and must be started early. They are splendid as bedding plants or for combinations. They bloom all summer until frost and do well in either sun or partial shade. These should be in every florist's order for bedding plant seeds. Make good cut flowers.

	Trade pkt.	Oz.
Rosea. Pink, 1 ft. ....	$\frac{1}{4}$ oz., 60c	\$0.25 \$1.80
Fl. Alba Oculata. White with pink eye. ....	$\frac{1}{4}$ oz., 60c	.25 1.80
Alba Pura. Pure white. ....	$\frac{1}{4}$ oz., 60c	.25 1.80
Delicata. Soft pink. ....	$\frac{1}{4}$ oz., 60c	.25 1.80
Kermesina. Bright red, dark green leaves with red stem. ....	$\frac{1}{4}$ oz., 60c	.25 1.80
Mixed. ....	$\frac{1}{4}$ oz., 60c	.25 1.80

<b>Virginia Stocks.</b> Mixed. A splendid edging plant. ....	.20	.60
Nana Compacta Mixed. Dwarf bushes covered with bright flowers during the entire season. 8 in. ....	.20	.60
<b>Viscaria Oculata.</b> Mixed. ....	$\frac{1}{4}$ oz., 40c	.20 1.40
Blue Pearl. Pure deep lavender-blue without eye, erect growing. ....	$\frac{1}{4}$ oz., 70c	.35 2.40
Nana compacta oculata. Mixed. ....	$\frac{1}{4}$ oz., 70c	.35 2.40
Coerulea Blue Bouquet. ....	$\frac{1}{4}$ oz., 70c	.35 2.40
Fiery Red. Flowers of brilliant red, plant is very dwarf and compact. ....	.35	....

**Xanthisma Texanum. Star of Texas.** Flowers are light canary-yellow with a lighter colored center; single, daisy-like, with long, pointed petals. Stems are thin and strong, and although they are not very long, they are suitable for cutting. Quite hardy, does well in dry, open places. ....  $\frac{1}{4}$  oz., \$1.00 .35 ....

**Xeranthemum (Everlasting). Superbissimum (Pompon) mixed.** .... .20 1.20





VERBENA Gigantea Type

## VERBENAS

Gigantea Beauty of Oxford Hybrids. The color shades from clear rose-pink to rose-red.

Alba. Very large, pure white.

Annapolis Blue. Spreading habit, shades of light to deep blue may be found in one flower.

Appleblossom. Delicate cameo pink.

Brightness. Bright rosy scarlet with white eye.

Brilliant. Rich deep flame rose with medium sized white eye.

Cerise Queen. Salmon cerise.

Crimson Glow. A pure glowing crimson without an eye.

Etna. Geranium-red with a small creamy yellow eye.

Floradale Beauty. Rose shades with salmon-rose predominating.

Lavender Glory. Large flower umbels. Fragrant. About 80% true.

Lucifer. Red.

Luminosa. Flame pink shading to softer shades of salmon pink.

Rosea Stellata. Pink, white eye.

Royale. Royal blue with creamy eye.

Spectrum Red. Intense pure bright red without eye.

Sutton's Giant Pink. Salmon pink.

Viola Stella. Violet, white eye.

Each of above..... $\frac{1}{4}$  oz., 75c \$0.35 \$2.60  
Salmon Queen. Bright salmon-pink, with a small white eye. New bush type, most suitable for borders.

Starlight. New. A bright mid-blue with creamy white eye. See Novelties..... $\frac{1}{4}$  oz., \$1.20 .50 4.00

Royal Bouquet Mixed. Upright growth on stems, making it a good cut flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors..... $\frac{1}{4}$  oz., 1.20 .50 4.00

Hybrida. Defiance. Brilliant scarlet..... $\frac{1}{4}$  oz., 70c .35 2.40

Mayflower. Beautiful pink..... $\frac{1}{4}$  oz., 70c .35 2.40

**Vaughan's Best Mixed.** This is unquestionably the best strain of Verbena seed in existence. It is composed of the best strains, all grown separately, and mixed in the right proportion. Trade pkt., 35c;  $\frac{1}{4}$  oz., 75c; oz., \$2.60. Trade pkt. Oz.

Dwarf Blue Sentinel. Rich navy blue..... $\frac{1}{4}$  oz., \$1.50 \$0.50 \$4.50

Dwarf Splendor. Scarlet white eye..... $\frac{1}{4}$  oz., 75c .35 2.60

Dwarf Violet Bouquet. Flower opens deep violet tinged garnet changing to deep violet, cream color eye.

..... $\frac{1}{4}$  oz., \$1.00 .35 3.00

Dwarf White..... $\frac{1}{4}$  oz., \$1.00 .35 3.00

**Vaughan's Special Mixture Dwarf Verbenas.** This is made from separate colors and a most complete mixture. Trade pkt., 35c;  $\frac{1}{4}$  oz., \$1.00; oz., \$3.00.

### Various Sorts

Trade pkt. Oz.

Aubletia Compacta Grandiflora. 8 in. Seed should be sown under glass early in the spring and seedlings transplanted to a sunny spot in the garden. Flowers usually red purple but vary to blue and rose..... $\frac{1}{4}$  oz., \$1.80;  $\frac{1}{8}$  oz., \$1.00 \$0.35 ....

### VERBENAS—Various Sorts—Continued

Trade pkt. Oz.

Bipinnatifida (Fern-leaved Verbena). The plants reach

18 in. in height by 2 ft. wide with great piles of ferny, feathery gray-green foliage covered with clusters of lavender-blue flowers..... $\frac{1}{4}$  oz., \$1.00 \$0.35 \$3.50  
Erinoides (Moss Verbena) Purple, 1 ft.... $\frac{1}{4}$  oz., 60c .25 ....  
Lemon (Citriodora)..... $\frac{1}{8}$  oz. \$1.00  $\frac{1}{4}$  oz. \$1.80 .35 ....  
Venosa. Heliotrope blue, fine for bedding... $\frac{1}{4}$  oz., 50c .25 ....  
Lilacina. Delicate lavender-blue..... $\frac{1}{4}$  oz., 60c .25 ....

## ZINNIAS

Zinnias are heat-loving plants and seed should not be sown until the ground and atmospheric conditions are warm. If grown in a sunny spot in well-fertilized soil and watered freely, the flowers will be more completely double. Nearly all will vary somewhat in trueness. Zinnia seed may be sown inside in February and March for cutting inside. Seed sown in April will bloom May 20 to June 10. Inside sown in May for inside cutting will bloom June 10 to 20.

**All-Giant Indian Summer.** A harmonious blend of Trade pkt. Oz.  
dazzling brilliance without a trace of harshness....  
.....Lb., \$14.50;  $\frac{1}{4}$  lb., \$4.00;  $\frac{1}{4}$  oz., 45c;  $\frac{1}{2}$  oz., 75c \$0.25 \$1.25

### DAHLIA-FLOWERED $2\frac{1}{2}$ to 3 ft.

The plants grow tall, are well branched and the colors are very distinct and striking; the flowers are double and large size.

Canary Bird, primrose	Illumination, deep rose
Crimson Monarch, best red	Luminosa, bright deep pink suffused with salmon
Dream, deep lavender	Oriole, orange and gold
Eldorado, rose on deep salmon	Polar Bear, white
Exquisite, light rose, center rose	Royal Purple
Golden Dawn, golden yellow	Scarlet Flame, bright scarlet
Golden State, rich orange	

Each of above..... Trade pkt. Oz.  
..... $\frac{1}{4}$  oz., 45c;  $\frac{1}{2}$  oz., 75c;  $\frac{1}{4}$  lb., \$4.00; lb., \$14.50 \$0.25 \$1.25

**Dahlia-Flowered, Gold Medal Hybrids.** A superior

mixture containing many new varieties.....  
..... $\frac{1}{4}$  oz., 45c;  $\frac{1}{2}$  oz., 75c;  $\frac{1}{4}$  lb., \$4.00; lb., \$14.50 .25 1.25

### CALIFORNIA GIANTS 3 to 4 ft.

They are larger than Colossal and a cross between that and the Dahlia-flowered types. They have smaller, flat centers, with more loosely placed petals. The petals are attractively imbricated.

Brightness. Bright, deep rose	Lavender Gem.
Cherry Queen. Brilliant	Miss Willmott. Soft pink
cherry rose	Orange King. Orange scarlet
Crimson Queen. Best crimson	Purity. A clean pure white
Daffodil. Canary-yellow	Rose Queen. Deep rose
Enchantress. Pink	Salmon Queen
Golden Queen. Golden yellow	Scarlet Queen
Grenadier. A very dark red	Violet Queen. Dark violet

Each of the above..... Trade pkt., Oz.  
lb., \$13.50;  $\frac{1}{4}$  lb., \$3.60;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 65c \$0.25 \$1.10

**California Giants, Vaughan's Special Mixed.** All colors..lb., \$13.50;  $\frac{1}{4}$  lb., \$3.60;  $\frac{1}{4}$  oz., 40c;  $\frac{1}{2}$  oz., 65c .25 1.10

### FANTASY $2\frac{1}{2}$ to 3 ft.

The rounded flowers are composed of a mass of shaggy ray-like petals.

Orange Lady. Bright orange	White Light. Pure white, excellent in flower arrangements
Rosalie. Bright intense scarlet	Wild Fire. Rich dazzling scarlet
Star Dust. Deep golden yellow	

Each of the above..... $\frac{1}{4}$  oz., 40c \$0.25 \$1.20  
Fantasy mixed..... $\frac{1}{4}$  oz., 40c .25 1.20

### PUMILA FL. PL.

This is called the "Cut and Come Again" type.

Alba Plena. Snowball.	Salmon-Rose. Remarkable shade, good for cut flowers.
Aurea. Golden orange.	
Coccinea Plena. Fireball.	
Pinkie. Rose-pink.	

Spun Gold. Delicately tinted butter-yellow.	Trade pkt. Oz.
Each of the above..... $\frac{1}{4}$ oz., 30c	\$0.20 \$0.80
Vaughan's Special Pumila Mixed. The above shades	
..... $\frac{1}{4}$ oz., 30c; 4 ozs., \$3.00	.20 .80
Sunshine Tints..... $\frac{1}{4}$ oz., 30c	.20 .80



ZINNIA Lilliput, Vaughan's Special Mixture

## ZINNIAS—Continued

### LILLIPUT OR POMPON 1½ to 2 ft.

Flowers the size of large button type of Pompon "Mum."

Black Ruby, deep blackish maroon	Purple		
Canary Yellow	Rose Bud		
Crimson	Salmon-Rose. A lovely color		
Dainty Gem. Dainty bicolor rose	Scarlet Gem		
Deep Flesh. Bright pink	Valencia. Burnt orange		
Golden Gem. Golden orange	White Gem		
Pastel Mixture		Trade pkt. Oz.	
Each of above.....	¼ oz., 35c	\$0.20	\$1.00

Vaughan's Special Lilliput Mixture			
.....lb., \$10.00; ¼ lb., \$3.20; ¼ oz., 35c	.20	1.00	

Lilliput Tom Thumb Mixture. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls.....	¼ oz., 35c	.20	1.00
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### CUPID ZINNIAS 1 ft.

#### The Smallest of All

Compact plants about 1 ft. tall, consist of a large number of slender branches which give the plant a well rounded bushy habit. Each of the numerous upright stems bears a miniature flower which hardly exceeds 1 in. in diameter. Useful for corsage making.

Goblin. Golden orange.			
Pixie. Bright yellow			
Snowdrop. Pure clear white		Trade pkt. Oz.	
Tiny Tim. Rich scarlet.			
Each of the above.....	¼ oz., 45c	\$0.25	\$1.40
Mixed.....	¼ oz., 30c	.20	1.00

### SCABIOSA FLOWERED Harmony Type

Plants 2½ to 3 ft., bearing numerous medium sized flowers, remarkably resembling the annual Scabiosa and Harmony Marigold.

Vaughan's Special Mixed, bright shades, including crimson, scarlet, orange, yellow, pink and white	Trade pkt. Oz.		
.....	¼ oz., 50c	\$0.25	\$1.60

Vaughan's Special Mixture of all Giant sorts including the cream of the Dahlia Flowered, California and other sorts, mixed.....	¼ oz., 45c	.25	1.25
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ZINNIA Super Crown of Gold Pastel Tints

**Super Crown of Gold Pastel Tints.** Strictly a mixture of pastel tints and contains a wide color range. All the flowers carry the deep golden yellow base of the Crown of Gold type and the individual color at the top. .lb., \$14.50; ¼ lb., \$4.00; ¼ oz., 45c; ½ oz., 75c \$0.25 \$1.25

### OTHER VARIETIES

**Burpee's Super Giant.** Largest of all Zinnias. 3 ft. Flowers are 5½ to 6½ inches across and of a wide diversity of colors and forms; some like Dahlia-Flowered, others like Giants of California and still others with curled and twisted chrysanthemum-like blossoms. Rare and unusual shades. .¼ oz., 60c .35 2.00

**Chrysanthemum Flowered Special Mixture.** Strikingly different, with the petals attractively curled and quilled. Flowers of tremendous size, measuring up to 6 inches across and from 4 to 5 inches in depth on long stems. Pastel shades predominate. Some of the flowers are of the solid self color, while others contain combinations of 2 and 3 colors. .¼ oz., 60c .35 2.00

**Luther Burbank.** Are of delicate pastel or art tints including cream, primrose, buff, canary, ivory, salmon, rose, chamois, apricot, peach, blush pink, and clear, bright rose. There are also unusual two- and three-color combinations. Flowers grow 5 to 5½ in. across and petals which curl back somewhat to form thick flower heads 2 to 3 in. deep. Plants are strong growing. 3 to 4 ft. tall. .¼ oz., 85c .35 2.75

**Linearis.** The foliage is a neat, narrow leaf without the coarse appearance of the common garden Zinnia. The flowers are a beautiful orange-yellow color with a lemon-yellow stripe through each petal, single and about one inch in diameter. 1 ft. ¼ oz., 60c .25 2.00

**Mexicana (Haageana) Hybrida.** Mexican Hybrids. Double mixed. .¼ oz., 60c .25 2.00

**Red Riding Hood.** Scarlet. Button type. .¼ oz., 45c ½ oz., 75c; 4 ozs., \$4.00 .25 1.25

**Vaughan's Mixture of Midget Zinnias.** Single, double and semi-double flowers are produced in abundance. Rich in orange, red, maroon and yellow tones, some showing red tipped with gold, salmon and gold, pure gold and rich cream. .¼ oz., 60c .25 2.00



ANCHUSA Italica Dropmore Variety



ALYSSUM Saxatile Compactum



ANEMONE St. Brigid's Hybrids

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of mid-summer, and the long growing season produces larger plants that winter over more successfully.

## Seeds of Biennials and Hardy Perennials

Perennials fill a large and interesting place in the operations of an up-to-date florist establishment. Some are as easily raised as annuals; quite a few may be forced; others make fine pot plants; and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to perennials of all kinds. They require little heat, if any, and not much care.

### SEED GERMINATES SLOWLY AND IRREGULARLY

Of the following varieties and a seed bed should be prepared where it will be undisturbed for a year or more.

*Aconitum*, *Anemone*, *Clematis*, *Delphinium Cardinale*, *Delphinium Nudicaule*, *Dictamnus*, *Dielytra*, *Iris*, *Phlox Decussata* and *Divaricata*, *Primulas Trollius* and nearly all Alpines.

Rock Garden subjects are marked X.

<b>Achillea Ptarmica</b> Fl. Pl. The Pearl. Abundant small white flowers, for cutting, 30 in. ....	Trade pkt. Oz.	
..... 1/8 oz., 60c; 1/4 oz., \$1.10.	\$0.35	.....
<b>Aconitum</b> (Monk's Hood). Napellus. Dark blue, 36 in. ....		
..... 1/4 oz., 85c	.25	.....
Wilsoni. Mid-blue, large flowering. ....	1/4 oz., 85c	.25
Barker's Variety. Branching habit, flowers pretty amethyst blue. ....	1/4 oz., \$1.00	.25
<b>Adlumia Cirrhosa</b> . Allegheny Vine. Beautiful rose flowers. Maidenhair fern-like leaves are borne in great profusion on slender twining stems. ....	.35	.....
<b>Agrostemma Coronaria</b> Atrosanguinea (Rose Campion). Deep blood-red flowers, silvery woolly foliage, 28 in. ....	.15	\$0.50
<b>Allwoodii</b> , see <i>Dianthus</i> .		
<b>Alyssum Argenteum</b> X Yellow-flowered, silvery foliage, 24 in. ....	.35	.....
Rock Garden Varieties Mixed. Many rare species mixed. ....	1/8 oz., 70c	.35
<b>Saxatile Compactum</b> (Gold Dust). Golden yellow, 12 in. Blooms in spring. ....	1/4 oz., 30c	.15
<b>Citrinum</b> . Pale lemon-colored flowers. ....	1/4 oz., \$1.20; 1/8 oz., 65c	.25
<b>Ampelopsis Veitchi</b> , Boston Ivy. Clean seed. ....	.25	1.00
<b>Amsonia Tabernaemontana</b> . Free flowering long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. 2 to 3 ft. ....	.50	.....
<b>Anchusa Italica</b> , Dropmore Variety. Large, gentian-blue, excellent perennial for cutting, 6 ft. ....	1/4 oz., 50c	.25
<b>Dwarf Dropmore Variety</b> (Feltham Pride). Neat habit, flowers brighter blue than preceding. 3 ft. ....	1/4 oz., 60c	.25
<b>Lissadell</b> . Clear gentian-blue. 6 ft. ....	.15	.80
<b>Myosotidiflora</b> . X A charming plant with the exquisite blue flowers of the forget-me-not, carried on 2 ft. high stiff stems. Large heart-shaped basal leaves, for rock garden or border. Flowers in April and May. This seed should be placed in refrigerator for 72 hours before sowing. 1/8 oz., \$1.00; 1/4 oz., \$1.80	.50	.....

<b>Anemone</b> (Windflower), <i>Coronaria</i> . St. Brigid's Hybrids (Irish Champions). Irish-grown St. Brigids are largely favored by commercial growers on account of the lasting quality of the bloom, length of stem, and the brilliancy of colors. 18 in. ....	Trade pkt. Oz.	
..... 1/4 oz., 85c	\$0.50	\$3.00
<b>Pulsatilla</b> . X The Pasque Flower. A singularly beautiful species with violet flowers, whole plant covered with silky hairs, needs a dry situation. Blooms in April to June. 12 in. ....	1/8 oz., \$1.25	.50
<b>Anthemis Kelwayii</b> (Hardy Marguerite). Daisy-like lemon-yellow blossoms, produced all summer, 3 ft. ....	.15	.60
<b>Tinctoria</b> . Very useful yellow border plant, 2 to 3 ft. ....	1/4 oz., 40c	.25
<b>Perry's Variety</b> . Light yellow, varies 2 ft. ....	1/4 oz., 40c	.25

### AQUILEGIA X (Columbine)

<b>Alpina</b> . Blue. A beautiful short-spurred form, 24 in. ....		
..... 1/4 oz., 80c	.35	.....
<b>Canadensis</b> . Native variety, bright red and yellow, 30 in. ....	.35	.....
<b>Chrysantha</b> . Light chrome-yellow, fine, 36 in. ....	1/4 oz., 80c	.35
<b>Chrysantha Silver Queen</b> . Long-spurred silvery white, 2 ft. ....	1/4 oz., 90c	.35
<b>Clematiflora</b> . Mixed, Spurless Columbine with beautiful open flowers like <i>Clematis</i> . Contains all lovely pastel shades. ....	.50	.....
<b>Blue Heaven</b> . A lovely deep lavender throughout, and has several extra petals but has completely lost its spurs. It resembles a double large flowered <i>Clematis</i> on erect stem with a center of bright yellow stamens. It requires drainage and its color is loveliest in semi-shade. ....	1.00	.....
<b>Coerulea Blue</b> . X Sky-blue with white corolla. Rocky Mt. Columbine. ....	1/4 oz., 80c	.35
<b>Coerulea</b> . Mrs. Nicholls. Deep blue and bolder flower than <i>Coerulea</i> blue. ....	1/6 oz., 80c; 1/8 oz., \$1.40	.50
<b>Rose Queen</b> . Shades of rose with white corolla, 30 in. ....	1/4 oz., \$1.20	.35

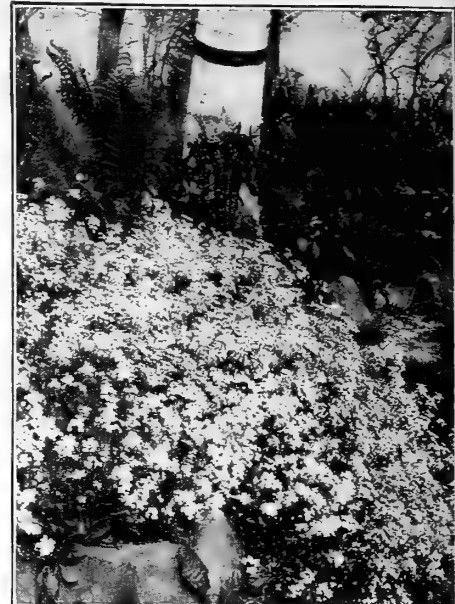
Unless otherwise quoted we supply 1/2 oz. at the ounce price and 4 ozs. (of a variety) at the pound price.



AQUILEGIA Mrs. Scott Elliott's Strain



ARMERIAS Are Fine for Cutting



ARABIS Alpina

## Seeds of Biennials and Hardy Perennials

### AQUILEGIA (Columbine)—Continued

Trade pkt. Oz.

Flabellata Nana Alba. Pure white early flowering 12 inch.....	\$0.50	....
Hansol Harebell. Dwarf compact habit, lovely violet blue.....	1/16 oz., \$1.40	.50 ....
<u>Longissima</u> . Long-spurred delicate yellow.....	1/8 oz., \$3.00; 1/16 oz., \$1.60	.50 ....
Longissima Hybrids. Very long-spurred variety in many attractive shades.....	1/16 oz., \$2.00	.50 ....
Long-Spurred Blue Shades.....	1/8 oz., \$1.00	.50 ....
Celestial Blue. New, rich blue. See Novelties.....		.75 ....
Copper Queen. Copper-red, straw-colored corolla, variable in shade, 18 in.....	1/8 oz., \$1.00	.50 ....
<u>Crimson Star</u> . Long spurs of rich crimson, the center is white tinged carmine, flowers 3 in. across on 2 ft. stems. Varies.....	1/8 oz., \$1.50; 1/4 oz., \$2.75	.50 \$9.00
Dobbie's Imperial Hybrids. A very fine selection made by a European hybridizer.....	1/4 oz., \$1.20	.35 4.00
Orange and Scarlet Shades.....	1/4 oz., \$1.20	.50 4.00
Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. The colors range through shades of lavender, mauve, blue, purple, white, cream, yellow, pink, red, etc.....	1/4 oz., \$1.00	.35 3.50
<u>Vaughan's Super Long Spurred Mixture</u> . Flowers of enormous size in brilliant color range, 3 to 4 in. spurs. Exclusive with us.....	1/8 oz., \$2.00	1.00 ....
<u>Vaughan's Special Mixture</u> . All types.....	1/4 oz., \$1.00	.35 3.60
<u>Arabis</u> X Alpina. White flowers in dense masses. 1 ft.....	1/4 oz., 55c	.25 ....
Alpina Nana Compacta. White, 8 in.....	1/4 oz., 70c	.35 2.40
Rosea. Pink, 1 ft.....	1/4 oz., \$1.20	.35 ....
Pumila Snow Cap. Shining snow white compact cushions.....	1/4 oz., 70c	.35 ....
<u>Armeria</u> Formosa Hybrida Rose.....	1/8 oz., 75c	.35 ....
Formosa Large Flowering Hybrids. 2 ft. 1/8 oz., 75c		.35 ....
Glory of Holland. Giant Pink. The clear, deep, pink flowers of the size of a silver dollar are borne on straight, tall stems 24 inches high, throughout the summer. Extra fine for cutting.....	1/8 oz., \$2.00	.50 ....
<u>Asclepias</u> Tuberosa (Butterfly Weed). Produces umbels of varying orange colored flowers, lovely to cut and last a long time. 24 in.....	1/4 oz., 85c	.25 2.75
<u>Asphodelus</u> Luteus. Yellow, fragrant, 3 ft.....		.35 ....
<u>Aster</u> Perennial. Alpinus Goliath. X Soft blue, largest-flowered fine, 15 in.....	1/8 oz., \$1.40	.75 ....
Alpinus. Fine light blue, 1 1/2 ft.....	1/4 oz., \$1.50	.50 ....
Mixed.....		.50 ....
Large Flowering Varieties Mixed.....		.50 ....
Amellus Hybridus. Named varieties, finest mixed 30 in.....		.50 ....

<u>Aubrietia</u> . Large-Flowered Hybrids. X Lovely dwarf spring blooming plants. Form beautiful cushions of foliage and flowers. 6 in.....	1/4 oz., 80c	\$0.25 \$2.80
Deltoides. X Lilac, 6 in.....		.35 ....
Eyrii. X Free flowering large blue.....		.35 ....
Graeca. Large blue free-flowering, 6 in.....	1/4 oz., 75c	.35 ....
Hendersoni. Large purple flowers, 6 in.....	1/4 oz., 60c	.25 ....
Leichtlini. X Large-flowered, rosy-purple.....		.50 ....
Purpurea. True deep purple.....		.50 ....
Royal Hybrids. Colors range through lavender and rosy-magenta shades to mauve. Flowers extremely large; 50% are double.....		.75 ....
Whitewell Gem. X Glowing rosy purple with slight tinge of blue, 6 in.....		.35 ....

Auricula. See Primula.

Baby's Breath. See Gypsophila Paniculata.

Baptisia Australis (False Indigo). Beautiful racemes of pea-shaped indigo-blue flowers.. 2-4 ft..... .20 .75

Bellis Perennis X (English Daisy)

Longfellow. Double dark rose.....	1/8 oz., 70c	.25 ....
Snowball. Double white.....	1/8 oz., 70c	.25 ....
Monstrosa Double Pink.....	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50 ....
Double Crimson. Definitely red.....	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50 ....
Double White.....	1/16 oz., \$1.00; 1/8 oz., \$1.80; 1/4 oz., \$3.00	.50 ....
Double Red. (Dark rose).....	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50 ....
Double mixed.....	1/16 oz., \$1.00; 1/8 oz., \$1.80	.50 ....
Tubulosa Aetna. Rich deep red.....	1/16 oz., \$2.00	.75 ....
Tubulosa Pink. Quilled pink.....		.75 ....

Bocconia Japonica (Plume Poppy). The plants grow 6 to 7 ft. high and the large finely-cut leaves are topped by huge flower spikes, carrying creamy white blossoms..... .25 ....

Boltonia Latisquama. Delicate pink, 4-5 ft..... 1/4 oz., \$1.00 .35 ....

Callirhoe Involucrata. X Large crimson flowers, trailing habit, very showy, 6 in..... 1/4 oz., 85c .35 ....

### CAMPANULA PERENNIAL SORTS

<u>Carpatia</u> X (Hare Bell). Forms a quickly-widening tuft of neat foliage above which are borne on slender, branched erect stems, wide cup-shaped upright blooms of a glistening light violet blue, 9 in.....	1/8 oz., \$1.00	.35 ....
Alba. X White, 9 in.....	1/8 oz., \$1.50	.50 ....





CAMPANULA Medium Single



CAMPANULA Medium Calycanthema



CARNATION Grenadin Mixed

## Seeds of Biennials and Hardy Perennials

### CAMPANULA Perennial Sorts—Continued

	Tr. pkt.	Oz.
Cullinmore. A lovely hybrid form of Carpatia and other dwarf-growing species. Much more prolific than Carpatia. Its flowers of various shades of blue are produced all summer. Very nice edging plant or for the rock garden.....	\$0.75	....
Fragilis. Blue Star of Bethlehem. Blue, splendid for hanging baskets.....	.75	....
Garganica. X A compact and tufty plant with pendant flowering branches. The flowers are blue with a white eye. 4 in.....	.75	....
Lactiflora Coerulea. Light blue, 3 ft.....	1/8 oz., 75c	.50
Latifolia Macrantha. Blue, large-flowered., 40 in.....	.50	....
Persicifolia (Peach Bell) Alba. White, fine, 30 in.....	1/8 oz., \$1.00	.35
Coerulea Blue.....	1/8 oz., \$1.00	.35
Mixed.....	1/4 oz., \$1.00	.35
Pyramidalis Alba. White, 5 ft.....	1/8 oz., \$1.00	.50
Blue. Lavender-blue, 5 ft.....	1/4 oz., 70c	.35
Mixed.....	1/8 oz., \$1.00	.35
Rapunculoides. Spires of loosely swung bell-blossoms, beauty for months on end. Variable coloring, from soft blue to deep violet. A row of it becomes a hedge of bloom, and it has perhaps the longest flowering season of any Campanula.....	1/4 oz., 75c	.35
Rotundifolia (Scotch Blue Bell). X Slender branching stems, covered with dainty frail blue flowers. Blooms in July and again in Fall, 6-12 in.....	.50	....
Perennial Varieties Mixed.....	1/4 oz., 90c	.35
Rock Garden Varieties Mixed.....	.35	....

### CAMPANULA BIENNIAL SORTS

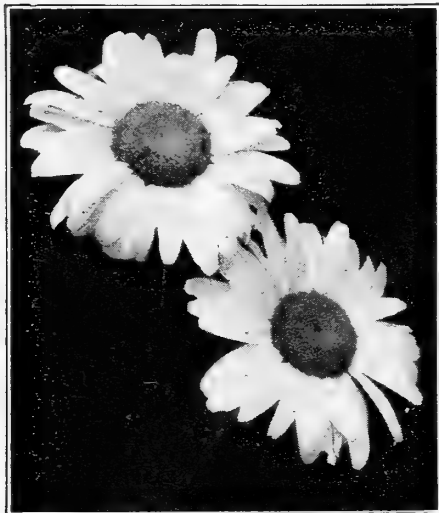
Medium Calycanthema, Cup and Saucer. Dark Blue, Lilac, Rose and White. 36 inch each.....	1/4 oz., 50c	.20	1.60
Calycanthema Mixed.....	1/4 oz., 50c	.20	1.60
Single. Canterbury Bell. Blue, Lilac, Rose, White, 36 in., each.....	1/4 oz., 25c	.15	.80
Mixed.....	1/4 oz., 25c	.15	.80
Double Blue.....	1/4 oz., 70c	.25	....
Rose.....	1/4 oz., 70c	.25	....
White.....	1/4 oz., 70c	.25	....
Mixed.....	1/4 oz., 70c	.25	....
Double and single mixed.....	1/4 oz., 50c	.20	1.60

Rock plants are followed by X. and the heights given are of the plants when in bloom.

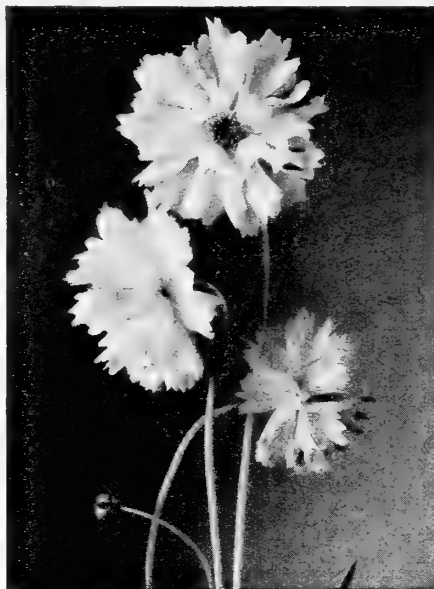
Candytuft X Gibraltarica. 1 ft. Large flowers, lilac shaded to white.....	1/8 oz., 50c	\$0.25	\$1.60
Jucunda. Dwarf pink, 4 in.....		.50	....
Queen of Italy. Dwarf, evergreen foliage, rosy-lilac. 10 in.....	1/4 oz., 50c	.25	....
Sempervirens, 12 in. White.....	1/4 oz., \$1.20	.50	4.50

### CARNATION

Grenadin Golden Sun. Golden yellow.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
King of the Blacks. Darkest red, very fine. 20 in.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
Red. Half high. 20 in.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
Triumph Rose, 20 in.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
White Gold. Soft yellow.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
White, 20 in.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
Mixed.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
Dwarf Bright Scarlet. Double flowers of rich intense scarlet. Blooms from seed the first year if sown early. Very uniform. 15 inches.....	1/8 oz., \$1.20; 1/4 oz., \$2.00	.50	6.00
Vienna Dwarf Mixed.....	1/8 oz., \$1.00	.50	....
Prof. Malmgreen. A new early flowering Vienna dwarf double type with gay brick red flowers. Fine for cutting. 14 in.....	1/8 oz., \$1.00; 1/4 oz., \$1.80	.50	6.00
Cassia Marylandica (Indian Senna). Racemes of showy yellow flowers. 30 in.....	1/4 oz., 60c	.25	2.00
Centaurea Dealbata. Rose Delight. Large and striking rose pink flowers. Graceful silvery leaves. 18 in.....	1/4 oz., 60c	.35	....
Macrocephala. Radiant yellow thistle-like blooms often 4 in. across. 36 in.....	1/4 oz., 45c	.25	1.50
Montana. Cornflower blue, 24 in.....	1/4 oz., 40c	.25	1.20
Perennial sorts mixed.....	1/4 oz., \$1.25	.35	4.00
Cerastium X Tomentosum (Snow in Summer). Silvery white foliage, white flowers. 16 in.....	1/4 oz., 60c	.25	2.00
Cheiranthus Allionii. Brilliant orange. 16 in.....	1/4 lb., \$1.40	.15	.40
Golden Bedder. Deep golden yellow flowers, sweetly scented, long-flowering.....	1/4 oz., 30c	.15	1.00
Kewensis, Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in.....	1/4 oz., 75c	.35	....
Linifolius. Lilac. 18 in.....	1/4 oz., 40c	.25	1.40
Chelone. See Penstemon Barbatus.			



SHASTA DAISY Alaska



COREOPSIS Double Sunburst



SHASTA DAISIES New Double

## Seeds of Biennials and Hardy Perennials

### CHRYSANTHEMUM

Maximum Conqueror (Victor). Giant-flowered white Trade	pkt.	Oz.	
.....	1/4 oz., 30c	\$0.15	\$1.00
King Edward VII. White.....	1/8 oz., 50c	.25	....
Mrs. C. Lothian Bell. Single white. 3 ft. 1/8 oz., 50c	.25	....	

See also Shasta Daisy.

<u>Korean Hybrids.</u> Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large-flowering single and semi-double.....	1/8 oz., \$2.00; 1/4 oz., \$3.50	1.00	....
--	----------------------------------	------	------

Clove Pink. See Dianthus Plumarius.

Columbine. See Aquilegia.

<u>Coreopsis Lanceolata</u> Grandiflora. Very large golden yellow flowers, long-stemmed, excellent for cutting,.....	lb., \$3.60	.15	.35
<u>Double Sunburst</u> (Double Gold). Large double flowers 1 1/2 to 2 in. across.....	1/4 oz., 30c	.15	1.00
<u>Mayfield Giant.</u> Best large deep golden-yellow,.....	1/4 oz., 25c	.15	.80

Cyclamen Europaeum. An outstanding rock garden plant. Blooms in July or August. The flowers are fragrant and usually of a deep rose color. Requires rich humus soil that is well drained. Seed germinates irregularly. Leaflet on culture furnished with seed. 100 seeds, \$1.00.

Daisy. See Bellis, Chrysanthemum Maximum and Pyrethrum.

Daisy, Shasta, Alaska. Best white, American-grown, 40 in..... 1/4 oz., 40c | .20 | 1.20 |

Giant Double Shasta Reselected. Flowers five inches across resemble giant asters, on long wiry stems. Blooms over a period of several months. The first year flowers appear with a high percentage of singles. The second year they act like Pyrethrum Double in that they show practically 100% doubles..1/6 oz., \$1.25; 1/8 oz., \$2.00; 1/4 oz., \$3.75 .50 | .... |  |

Shasta Daisy G. Marconi Reselected. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2 1/2 to 3 feet long... 1/8 oz., \$1.50; 1/4 oz., \$2.75 .50 | .... |  |

### SUBSTITUTION

Kindly advise, may we substitute another variety equally as good or better by stating on your order "Substitute if necessary."

## Delphinium

PACIFIC GIANT (Vetterle and Reinelt). This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter and represent a truly outstanding addition to the cut flower market.

Black Knight Series. Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.

Blue Bird. A clear medium blue with white bee with huge tall spikes.

Blue Jay. Brilliant true medium blue with dark bee.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal violet with large white bee

Percival. White with contrasting black bee. Trade pkt., \$1.25; 1/8 oz., \$2.50.

Summer Skies. Clearest light blue with white bee.

Round Table Series. As the name implies, this represents all of the color combinations of the above Knights and their Ladies.

Each of the above, except as noted, Trade pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; oz., \$14.00.

Pacific Giant. Clear White. Clear glistening white with heavy texture.

Pacific Giant. Dark blue shades.

Pacific Giant Lavender Pastel Shades. Color range from light lavender to deep smoky lavender, generally of two tone combinations with brown or black bees.

Pacific Giant. Light blue shades.

Pacific Giant Mixed.

Each of above 5: Trade pkt., \$1.00; 1/8 oz., \$2.00; 1/4 oz., \$3.50; oz., \$12.00.

Blackmore and Langdon Strain, Mixed. Tall, graceful Tr. pkt. Oz. spikes covered with blooms. All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors..... 1/4 oz., 90c \$0.50 \$3.00

Wrexham Strain (Hollyhock Delphinium). The chief distinguishing features of the "Hollyhock" Delphiniums are the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period. Mixed..... 1/8 oz., 80c; 1/4 oz., \$1.50 .50 5.40



DELPHINIUM PACIFIC GIANT HYBRIDS

## Seeds of Biennials and Hardy Perennials

### DELPHINIUM—Continued

	Tr. pkt.	Oz.
Belladonna. Light Blue, Improved, Light blue, large-flowered, strong grower. 4 to 5 ft. ....		
..... ¼ oz., 80c; lb., \$35.00	\$0.40	\$2.80
Bellamosum Improved. Large deep blue flowers, uniform in color with a white bee. 4 to 5 ft. ....		
..... ¼ oz., 80c; lb., \$35.00	.40	2.80
Cardinale, scarlet, 30 in. ....	¼ oz., 75c	.35 2.80
Chinense Album Grandiflorum. White, 36 in. ....	¼ oz., 35c	.20 1.20
Blue, Gentian blue. ....	¼ oz., 35c	.20 1.20
Blue Mirror. This Chinese Larkspur has no spurs and it shows its bright navy-blue flowers most effectively by their horizontal position. Height 1½ to 2 feet. May be cultivated as an annual as well as perennial, and is finely suited for cutting purposes, for groups and borders. ....	¼ oz., \$1.00	.50 3.60
Cambridge Blue. Rich belladonna blue. ....	¼ oz., 65c	.35 2.20
Azure Fairy. Soft azure-blue, 20 in. ....	¼ oz., 35c	.20 1.20
Nudicaule ① □. Brilliant scarlet, 30 in. ....		.35 ....

### DIANTHUS BARBATUS—Sweet William

Double Dwarf Midget Mixed. ....	¼ oz., 85c	.35 3.00
Giant Flowered Mixed. ....	¼ oz., 80c	.35 2.80
Seedlings of all Double Sweet Williams produce about 40 per cent of single-blooming plants.		
Single Blood-red (Atrosanguineus). ....	¼ oz., 50c	.25 1.60
Copper Red. Showy flower heads composed of numerous good-sized individual blooms in an attractive new color. ....	¼ oz., \$1.00	.35 ....
Special Giant White. Phlox-flowered. Enormous trusses of bloom. Fine for cutting. ....	¼ oz., 75c	.35 2.40
Homeland. A most unusual color, dark red with large, sharply defined clear white center. ....	¼ oz., \$1.00	.50 3.80
Nigrescens. Very dark, almost black. ....	¼ oz., 50c	.25 1.60
Newport Pink. Salmon-pink. ....	¼ oz., 75c	.35 2.40
Purple Beauty. ....	¼ oz., \$1.00	.50 ....
Scarlet Beauty. Scarlet. ....	¼ oz., 75c	.35 2.40
Mammoth Flowered Single mixed. ....	¼ oz., 75c	.35 2.40
Vaughan's Special Mixture Double and Single, of above choice varieties. ....	¼ oz., 80c	.35 2.80

Rock plants are followed by X, and the heights given are of the plants when in bloom.



### SWEET WILLIAM Single "Midget" MIXED COLORS

The habit of this Sweet William Dwarf Alpine Mixed is of a ball type, grows from three to four inches tall. The blooms, which almost entirely cover the foliage, are quite large flowered. This little Sweet William makes a wonderful perennial border and spring pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored.

Trade pkt., 50c; ¼ oz., \$1.40; oz., \$5.00.

### DIANTHUS—Continued

#### DIANTHUS PLUMARIUS—Clove Pinks X

	Trade pkt.	Oz.
Cyclops. Red Hybrids. ....	¼ oz., \$1.00	\$0.35 ....
Highland Rose Hybrids Mixed. Beautiful and varied mixture, especially noted for their fragrance and long flowering. ....	¼ oz., \$1.00	.35 \$3.60
Ipswich Strain Mixed. The delicately perfumed Clove Pink, an old garden favorite with flowers usually single but sometimes double, in many delightful changes of coloring and marking. ....		.50 ....
Little Jock Hybrids. The compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, 50% of them are double. ....		.50 ....
Scoticus Double Special Florist Strain. Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. Stems 12 to 15 inches. Blooms 1½ to 2 inches. Free flowering. ....	¼ oz., \$1.00	.35 ....
Spring Beauty. Double giant-flowered carnation-like in form and size and with a beautiful color range. Very fragrant. ....	¼ oz., \$1.40	.50 5.00
Single Mixed. ....	¼ oz., 40c	.15 1.35
Semperflorens. Double Mixed. ....	¼ oz., 60c	.30 ....
Double Early-Flowering Dwarf Mixed. ....	¼ oz., \$1.00	.35 ....
Vaughan's Special Mixture. ....	¼ oz., 90c	.35 3.20

### DIANTHUS—SORTS

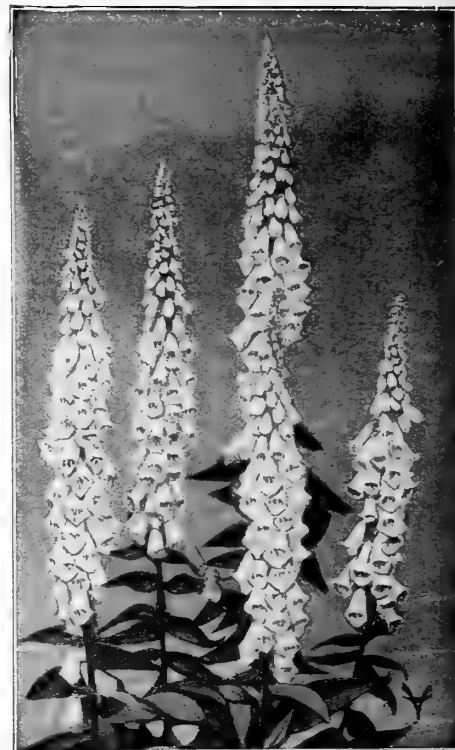
Allwoodii. X 18 in. Mixed colors. Double, semi-double and single flowers in a wide color range. ....	¼ oz., \$1.00	.35 ....
Alpinus. Mixed colors. X 4 to 8 in. Glossy leaves, large flowers various shades of pink and rose. ....		.35 ....
..... ¼ oz., 90c.		.35 ....
Arenarius. Sand Pink. Small white fringed. 8 in. ....		.35 ....
Caesius (Cheddar Pink). X Dense tufts of glaucous blue foliage large fragrant rose-colored flowers. ....	¼ oz., 65c	.25 2.20
Carthusianorum Giganteus 40 in. The tallest Dianthus, mahogany buds open to clustered rose colored flowers. ....		.35 ....
Delight. There is a bewildering range of colors, from the palest pink down to the deepest purple; the predominating shades are velvety rich reds; many have the eye of a Sweet William. ....	¼ oz., \$1.00	.35 ....
Deltoides (Maiden Pink). Rosy magenta 9 in. ....	¼ oz., 65c	.25 2.40
Brilliant. (Maiden Pink) 8 in. Rich rose pink blossoms, carried above fine feathery foliage. ....	¼ oz., 75c	.35 ....
Erecta Red. ....		.35 ....
Mixed. Fine for rock gardens. ....		.35 ....



DICTAMNUS Fraxinella (Gas Plant)



MYOSOTIS Blue Eyes



## Seeds of Biennials and Hardy Perennials

### DIANTHUS SORTS—Continued

Trade pkt. Oz.

Knappi. Clusters of clear golden yellow flowers appear above the grassy green foliage.	\$0.50	....
Latifolius Atrococcineus Plena. A beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout 15 to 18 in. stem.	1/8 oz., 90c; 1/4 oz., \$1.50	.25 \$4.50
Loveliness. Large lacinated petals of a most exquisite mauve pink, but the most fascinating of all is their delightful fragrance.	1/8 oz., \$1.20	.50 ....
Sweet Wivelsfield. Single Mixed. Especially adapted for perennial borders and rock gardens. Excellent cut flower. 1 ft.	1/4 oz., 30c	.15 1.00
Sweet Wivelsfield. Double Mixed.	1/4 oz., 60c	.25 2.20
Best Rock Work Species Mixed X.	1/4 oz., 80c	.25 2.80
Winteri. A pink of striking beauty. Single, bold form, delightful pure colors, fragrant, blooms from seed first year. Compact habit, 9 in., 1/16 oz., 80c	.50	....
Dicentra Eximia (Plumy Bleeding Heart). Dwarf. 12 in.	1/4 oz., \$1.00	.35 3.60
Dictamnus Fraxinella (Gas Plant). Pink flowers with dark veins, 30 in.	1/4 oz., 50c	.25 1.75
Fraxinella Albus. White, 30 in.	1/4 oz., 70c	.35 2.60
Dilytra Spectabilis. (Bleeding Heart.) 32 in., 1/16 oz., \$1.75; 1/8 oz., \$3.25	1.00	....

### DIGITALIS (Foxglove)

Hybrida Lutzii. Salmon hybrids. 4 ft.	.25	....
Gloxiniaeflora. Mixed, spotted flowers, 4 ft.	1/4 oz., 50c	.25 1.60
Purple	.25	....
Rose	.25	....
Pastel Shades. Distinct shades of pink, apricot, buff, rose and heliotrope.	.30	....
Shirley Hybrids. Mixed. Enormous flowers, rich mixture, 6 to 7 ft.	1/4 oz., 60c	.25 2.20
Purpurea Monstrosa. Mixed, 3 ft. Long spikes surmounted by one enormous flower.	1/4 oz., 60c	.25 ....
Grandiflora (Ambigua). Chrome-yellow. Marked with brown. 36 in.	1/8 oz., 70c	.35 ....
Vaughan's Special Mixture	1/4 oz., 60c	.25 2.00

**Doronicum** or Leopard's Bane is an exceedingly satisfactory spring flowering perennial of much beauty. The large daisy like flowers are fine for cutting.

**Caucasicum.** Large yellow heads showy border plant especially in combination with blue or lavender Tulips. 1.00 ....

**Caucasicum Magnificum.** Gerbera like flowers of clear yellow. Height 2 ft. 1.00 ....

### DIGITALIS Shirley Hybrids

Trade pkt. Oz.

Echinops (Globe Thistle) Ritro. Showy thistle like plants with globular heads of deep metallic blue flowers, which can be dried as everlastings. Grow in clumps in full sun.	1/4 oz., 1.25	\$0.35 \$4.00
Edelweiss. X Large flowered, 6 in.	.50	....
Erinus X Alpinus. Purple, for borders, 6 in.	.50	....
Eryngium Amethystinum. True amethyst-blue thistle with amethyst stems and bracts. Fine for cutting, 3 ft.	1/4 oz., 70c	.25 2.40
Alpinum Superbum. Stems and flower-heads of a splendid steel-blue.	1/4 oz., \$1.00	.35 ....
Planum. Cornflower blue, globular heads. 4 ft.	1/4 oz., \$1.00	.35 ....
Euphorbia Corollata (Wild Baby's Breath). Resembles Gypsophila but the flowers are larger and more pronouncedly white. Blooms in midsummer. Valuable for bouquets. Leaves turn a rich wine color in fall. Will stand any amount of drought. 2 ft.	.35	....
Myrsinites. A prostrate plant with beautiful bluish foliage, heads of yellow flowers. Spring, 3 in.	.35	....
Polychroma. The flowers are bright yellow changing to a rosy bronze. 15 to 18 in.	.50	....

### FORGET-ME-NOT X (Myosotis)

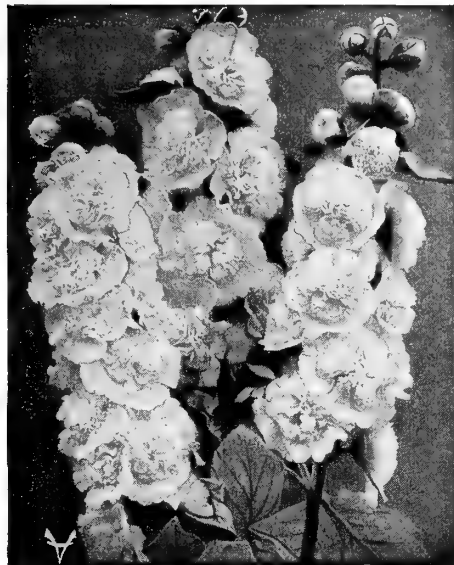
Alpestris Blue Eyes. Bright blue with white eye, large, early flowering.	1/4 oz., \$1.40	.35 5.00
Indigo Blue (Royal Blue). 12 in.	1/4 oz., 95c	.35 3.20
Blue Compacta. Deep blue. 1/8 oz., 90c; 1/4 oz., \$1.60	.35	6.00
Rosea.	1/4 oz., \$1.00	.35 ....
White	1/4 oz., 95c	.35 ....
Robusta Grandiflora Blue. An improved Alpestris Blue. Double central flower.	1/4 oz., \$1.40	.35 5.00
Palustris. Semperflorens. Dwarf, blue, in flower from early spring until autumn, 1 ft.	1/4 oz., 75c	.35 2.40
Stricta. Blue Bouquet. A compact, upright grower of the column type, completely smothered with flowers of bright blue. 1 ft. 1/8 oz., 80c; 1/4 oz., \$1.50.	.35	....
Victoria. Dwarf globular strain. 8 in.		
Indigo Blue.	.35	....
Rosea. Pink.	.35	....
Sky-blue. Excellent variety.	.35	....
White.	.35	....
Vaughan's Early Blue Bird. An extra early flowering strain of Blue Bird type and color. Should be used for cutting and valuable for pots or bedding.	1/4 oz., 85c	.35 3.00

Rock plants are followed by X, and the heights given are of the plants when in bloom.





GAILLARDIA Grandiflora Monarch Strain



HOLLYHOCK Chater's Double Mixed



GERBERA Jamesoni Flowerland Strain

## Seeds of Biennials and Hardy Perennials

### GAILLARDIA Grandiflora

<b>Aurea Pura.</b> Pure yellow flowers, 4 to 5 in. in diameter on long strong spikes. ....	Trade pkt. Oz.		
..... 1/4 oz., 50c	\$0.25	\$1.80	
<b>Burgundy.</b> Self colored wine-red, 2 1/2 in. diameter, on long stiff stems, from June until fall. Comes 60% to 70% true, 30 in. ....	1/4 oz., 65c	.25	2.20
<b>Dazzler.</b> Large flowers, bright golden yellow with rich maroon-red center. 3 ft. ....	1/4 oz., 50c	.25	1.75
<b>Goblin.</b> Very compact globular plants, red and yellow bicolor. ....	1/4 oz., 70c	.35	2.60
<b>Monarch Strain.</b> A robust strain very varied in coloring and with flowers of giant size and perfect form. ....	1/4 oz., 50c	.25	1.80
<b>Portola Hybrids.</b> The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2 1/2 to 3 ft. ....	1/4 oz., 50c	.25	1.80

**Gas Plant,** see Dictamnus.

**Gentiana Acaulis.** Gentian-blue, beautiful for edging. 5 in. .... .35

**Gerbera Jamesoni.** New Flowerland strain. A popular greenhouse forcing perennial plant, fine for cutting. New seed is always available, as it is harvested at intervals during the year. .... 100 seeds, 45c; 500 seeds, \$1.75; 1000 seeds, \$3.00

**Geum Boreale.** (True). Is an evergreen species with foliage rather prostrate and branching flower stems 8 to 12 in. long. Orange scarlet flowers produced abundantly over a long period. .... 1/8 oz., \$1.40

**Lady Stratheden** (Golden Ball). The blooms are large double rich golden yellow. 2 ft. .... 1/4 oz., 70c

**Mrs. Bradshaw.** Large double fiery orange red. 2 ft. .... 1/4 oz., 70c

**Prince of Orange.** True orange. .... 1/8 oz., 85c

**Gilia Coronopifolia Red.** 3 1/2 ft. (Standing Cypress.) The flowers are 1 1/2 inches long, trumpet shape, borne along the side of the stem. A biennial. .... 1/8 oz., 60c

### GRASSES, Ornamental

**Eulalia Japonica.** Zebra Grass. .... 1/4 oz., 50c

**Festuca Glauc.** True blue grass with dense glaucous tufts. Blue stemmed grass. .... 1/4 oz., 35c

**Gymnethrix Latifolia** (Pennisetum Latifolium). 36 in. .... 1/4 oz., 75c

Rock plants are followed by X, and the heights given are of the plants when in bloom.

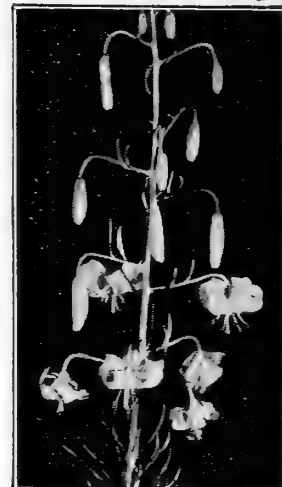
<b>Gypsophila Mangini.</b> A splendid florist cut flower, strong growing "Pink Baby's Breath." 2 ft. ....	Tr. pkt. Oz.		
.....	\$0.35		
<b>Oldhamiana.</b> Great tangles of airy, misty blooms in pink shades. The florets are slightly more than a quarter of an inch in diameter and possess a white throat. Blooms in fall. The foliage is silvery overcast. ....	1/4 oz., 65c	.25	\$2.20
<b>Pacifica.</b> Starry pink blossoms on branching panicles. Good cut flower. Sept. and Oct. 4 ft. ....	1/4 oz., 80c	.25	3.00
<b>Paniculata Snow-White Double.</b> Pure white double strain. 2 ft. ....	1/4 oz., \$1.25	.50	4.40
<b>Paniculata White.</b> Small single white flowers in great profusion, useful for cutting. 40 in. ....	1/4 lb., \$1.60	.15	.50
<b>Repens X White flowers,</b> trailer, good border or rock plant. 6 in. ....	1/4 oz., 70c	.25	2.40
<b>Rosea.</b> Pink. ....	1/4 oz., 85c	.25	3.00
<b>Helenium Bigelowi.</b> Yellow dark disc, for cutting. 20 in. ....		.35	
<b>Hoopesi.</b> Yellow. Early flowering. 30 in. ....	1/4 oz., \$1.20	.35	
<b>Riverton Gem.</b> Flowers open as old gold and terracotta changing to wallflower red. 3 1/2 ft. ....	1/4 oz., \$1.50	.35	
<b>Heliopsis Laevis Pitcheriana.</b> Golden yellow, 4 ft. ....	1/4 oz., 55c	.35	
<b>Helianthemum X Mutabile.</b> Mixed Colors. (Rock Rose.) Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. 8 to 12 in. ....	1/4 oz., 40c	.20	1.40
<b>Helleborus Niger.</b> Christmas Rose. Seed germinates very slowly. 15 in. ....		.25	1.00
<b>Hemerocallis Peerless Blend.</b> A mixture of high merit. Seeds saved from ten botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. ....	100 seeds, 35c; 1000 seeds, \$2.50		
<b>Hesperis Matronalis.</b> (Sweet Rocket.) Sweet scented purple flowers in showy spikes. 40 in. ....	1/4 oz., 30c	.25	1.00
<b>Matronalis Alba.</b> Sweet scented white flowers. ....	1/4 oz., 30c	.25	1.00
<b>Heuchera X Sanguinea.</b> Graceful spikes of crimson flowers. ....		.50	
<b>Sanguinea Splendens.</b> Bright vermillion. ....		.50	
<b>Hybrida Grandiflora.</b> Mixed, 30 in. ....	1/6 oz., \$1.30	.50	
<b>Hibiscus Crimson Eye.</b> White with red eye. 4 ft. ....		.20	
<b>Jumbo Red.</b> Special selection made to improve color and size of Mallow Marvels Red. ....	1/4 oz., 50c	.25	1.80
<b>Mallow Marvels Mixed.</b> 4 ft. ....	1/4 oz., 40c	.25	1.40
<b>Pink.</b> ....	1/4 oz., 40c	.25	1.40



LEINUM FLAVUM



LILIUM Regale



LILIUM Tenuifolium

## Seeds of Biennials and Hardy Perennials

### Hollyhocks Chater's. Double Separate Colors.

Chamois (Buff yellow)	Newport Pink		
Deep Salmon Red	Salmon Rose		
Lilac Beauty	Scarlet (Blood Red)		
Maroon	White		
Deep Rose (Carmine rose)	Yellow.		
Special Double Black.			
Each of above.....	Trade pkt. Oz.		
Chater's Prize. Double Mixed.....	1/4 oz., 50c	\$0.30	\$1.50
Imperator Improved ("Begonia Flowered" Crested Mixed). Collar of frilled and fringed edges	1/4 oz., 55c	.30	1.80
Triumph. Double waved and fringed flowers in delicate art shades.....	1/4 oz., 50c	.30	1.50
Vaughan's Special Mixture includes all Doubles, Imperator, Triumph and Allegheny.....	1/4 oz., 50c	.30	1.80
Single mixed.....		.25	.80
Allegheny. Mammoth-flowering. Semi-double flowers. Mixed.....	1/4 oz., 25c	.15	.75
Everblooming Double Hybrids Mixed. If sown early will bloom first year.....	1/4 oz., 40c	.20	1.40
Indian Spring. It produces flowers of varying attractive bright rose and rosy carmine shades. Double and semi-double. Blooms from seed first year if sown early.....	1/4 oz., 50c	.25	1.60
Indian Summer. New, Double in an excellent range of colors. See Novelties.....		.50	....
Hyacinthus Candicans. 3 ft. Large snowdrop-like flowers in long racemes.....	1/4 oz., 30c	.25	1.00
Incarvillea Grandiflora Brevipes. Large brilliant crimson rose flowers. 2 ft.....	1/8 oz., \$1.00	.50	....
Delavayi. Large Gloxinia-like flowers, rosy purple, very handsome, 24 in.....		.50	....
Iris Dichotoma, August or Vesper Iris. Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet purple with markings of buff, orange, copper, brown, mahogany, and rose. Sow seed in early spring while soil is cool. Usually a fair proportion will bloom the first summer.....	1/4 oz., 65c	.35	2.20
Giant Bearded. These are large-flowered, named "bearded" or "German" Irises of our gardens. Our seed has been saved from a fine collection, and seedlings should show remarkable range of variable color richness, all the bright self hues, with pastel harmonies in fawn, lilac, bronze tawnies, rose tones, copper and wine shadings.....	1/4 oz., \$1.90	.50	7.00
Siberian Mixed. Resemble the Spanish and English Irises. Excellent for cutting.....	1/4 oz., 60c	.35	2.00
Spuria Mixed. Flowers in form are similar to the bulbous Dutch and Spanish Irises. A complete range of colors. Fine for cutflower use.....	1/4 oz., \$1.20	.50	....
Isatis Glauca. (Golden Gypsophila). Foliage silvery gray-green. Clouds of fine yellow flowers in July. 2 ft.....	1/4 oz., 60c	.35	....

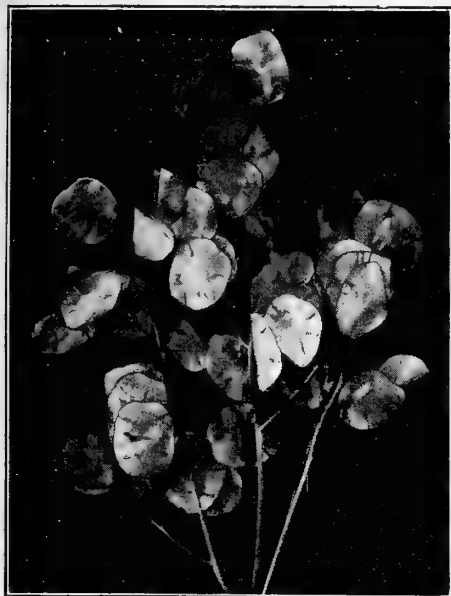
Kenilworth Ivy X (Linaria Cymbalaria). Pretty trailing variety. Pink.....	Tr. pkt. Oz.		
Lathyrus Latifolius (Everlasting Pea). Mixed.....	1/4 oz., 30c	.20	\$1.00
Latifolius Pink Beauty. Large racemes of pleasing deep rose flowers. 6 ft.....	1/4 oz., 30c	.20	1.00
Red. Rosy purple flowers. 7 ft.....	1/4 oz., 30c	.20	1.00
White Pearl. Lovely sprays of large sweet pea-like flowers, each spray having 12 to 15 blooms. In flower all summer. 5 ft.....	1/4 oz., 30c	.20	1.00
Lavandula Vera. Munstead Strain. Large sweet-scented flowers in abundance. It flowers a month earlier than the common Lavender; height not exceeding 1 foot, an improved Vera. Sow in Fall.....		.35	....
Liatriis Pycnostachya. Long spike of brilliant rose-purple flowers. Aug. to Oct. 4 ft.....	1/4 oz., 75c	.30	2.80
Scariosa Violet purple. 2 ft.....	1/4 oz., \$1.00	.35	....
September Glory. 6 ft. Spike covered with purple flowers.....	1/4 oz., \$1.50	.50	5.50
Spicata (Blazing Star). Purple rose, 20 in.....	1/4 oz., 80c	.35	....
Linaria Cymbalaria, X Pink. 3 in.....		.35	....

## Lilies

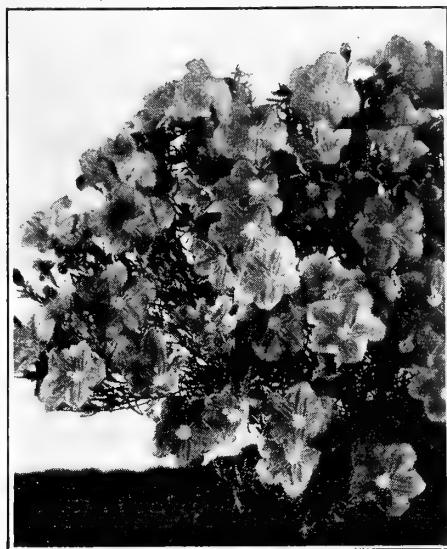
### Culture on Lilies from seed sent free with order.

Concolor. Erect fiery scarlet with dark red spots	.50	....
Formosanum Giant White. A fine variety easily raised from seed. Blooms in late summer when few hardy lilies are available.....	1/4 oz. 1.00	.50 3.60
Longiflorum Praecox (White Queen). Produces blooms of the well known Erabu type in from 12 to 15 months after sowing. Long trumpet flowers of clear white.....	1/2 trade pkts., 60c	1.00 ....
Philippinense Formosanum Snowdrift. New, early, can be flowered in 10 months from sowing. See Novelties.....		1.00 ....
Regale. The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance.....	1/4 oz., 35c	.20 1.20
Tenuifolium (Siberian Coral Lily). Flowers dazzling coral red, up and down the stem. 20 in.....	1/4 oz., 80c	.35 3.00
Linum Perenne (Perennial Flax). Very pretty pale blue flowers on slender stems. 30 in.....		.15 .60
Collinum. New perennial Flax, bright blue. See Novelties.....	1/4 oz., \$1.50	.50 5.00
Flavum. Fine variety with transparent yellow flowers. 1 to 2 ft.....	1/4 oz., 75c	.25 ....
Compactum Nanum. X Glowing golden yellow, dark green foliage. Everbloomer, 6 in.....	1/16 oz., 70c	.35 ....

Rock plants are followed by X, and the heights given are of the plants when in bloom.



LUNARIA Biennis



NIEREMBERGIA Purple Robe



LUPINUS Polyphyllus Russell Mixture

## Seeds of Biennials and Hardy Perennials

LINUM—Continued

Trade pkt. Oz.

Narbonense. Azure blue flowers with white eye, graceful habit. 30 in.....	1/4 oz., 75c	\$0.35	.....
Heavenly Blue. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. 1/6 oz., 65c; 1/4 oz., \$1.10	.35	.....	
<b>Lobelia</b> Cardinalis (Cardinal Flower). Rich, fiery cardinal flowers. Needs moist shady location. 36 in.....	1/4 oz., \$1.00	.35	3.50
<b>Lunaria</b> Biennis. (Honesty). Lilac purple flowers, silvery pod.....	1/4 oz., 35c	.25	1.20
Biennis Alba. White flowers with silver pods. 1/4 oz., 35c	.25	1.20	
Variegated Foliage. Light red flowers, pretty variegated foliage, silver seed pods.....	1/4 oz., 35c	.25	1.20
<b>Lupinus</b> Polyphyllus.			
Albus. Large, pure white spikes. 2 to 3 ft. 1/4 oz., 30c	.20	1.00	
Carmineus. Carmine shades.....	1/4 oz., 50c	.25	1.60
Coeruleus Blue.....	1/4 oz., 50c	.25	1.40
Roseus. Very pretty rose shades. 3 ft.....	1/4 oz., 60c	.25	2.00
Downer's Hybrids. Perpetual flowering hybrids.....	1/4 oz., 60c	.25	2.00
Russell. A marvelous selection of Perennial Lupins. Most unusual colors and color combinations. The flowerettes are much larger than the other Polyphyllus varieties.....	1/4 oz., 60c; 1/4 lb., \$6.00.	.35	2.00
Vaughan's Special Mixture. This is a choice mixture of the best perennial Lupins.....	1/4 oz., 40c	.25	1.40
Nitragin, for inoculating Lupin seed. Garden size 10c			
<b>Lychnis</b> . Alpina. X Rose 12 in.....	.50	.....	
Arkwrightii. Large flowers in brilliant colors, varying from orange-scarlet to soft-salmon pink. May. 2 to 3 ft.....	1/4 oz., 75c	.35	2.40
Chalcedonica Salmon Queen. Beautiful salmon shade. 3 ft.....	1/4 oz., 40c	.25	1.40
Chalcedonica. Vivid scarlet flowers. 36 in. 1/4 oz., 40c			
Haageana Hybrida. Mixed, extra choice, 18 in.....	1/4 oz., \$1.00	.25	.....
Viscaria Splendens. Early, deep rose, 16 in. 1/4 oz., 50c		.25	.....
<b>Lythrum</b> Roseum Superbum. Rose-purple in spikes. A good border plant. 40 in.....	1/4 oz., 50c	.25	1.80
Superbum The Beacon. Excellent for moist or wet locations in the border. An English introduction of merit, produce 12 or more 3-foot upright spikes of clear rosy red which last a month or more, and are also good for cutting.....	1/4 oz., 75c	.35	2.60

**Matricaria**. (Feverfew). Double Select White (Ball's Double White). This is the one and only fully double-flowering pure white strain of Feverfew from seed. It is 98% true to this description. 18 in. grown outside, 2 to 3 ft. when grown under glass. Trade pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; oz., \$5.75.

<b>Matricaria</b> Golden Ball. Striking double golden yellow. Trade pkt. Oz. 8 in.....	\$0.35	.....	
<b>Myosotis</b> . See Forget-Me-Not.			
<b>Native Wild Flowers</b> . Mixed.....	1/4 oz., 60c	.25	.....
<b>Nepeta</b> Mussini. X Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. 1 ft.....	1/4 oz., 75c	.25	\$2.25
<b>Nierembergia</b> Hippomanica Coerulea. X The lovely lavender-blue flowers, heightened by a touch of yellow in the center, are most charming. Plants are compact, not over 5 or 6 inches tall. As an edging plant it is unexcelled, and it makes a splendid pot plant. It is a half hardy perennial which will winter over if given some protection.....	1/2 oz., \$1.00; 1/6 oz., \$1.75	.50	.....
<b>Coerulea</b> , Purple Robe. Similar to Nierembergia Hippomanica, except several shades deeper blue or violet-blue in color, from which it was selected.....	1/2 oz., \$1.65; 1/6 oz., \$3.00	.50	.....
<b>Oenothera</b> . Lamarkiana. Large yellow flowers on long spikes, 2 ft.....		.15	.50
Macrocarpa (Missouriensis). Large yellow flowers, fine trailer, June-Sept. 12 in.....	1/4 oz., \$1.00	.25	.....
Youngii. Large yellow bloom. 18 in. 1/4 oz., 60c		.25	1.80
<b>Pentstemon</b> . Barbatus. Tall erect, branching. A showy scarlet perennial.....		.35	.....
Digitalis. White tinted violet. 36 in.....		.35	.....
Grandiflorus. Excellent, easily grown, long lasting cut flower. Lavender-blue. 3 ft.....	1/4 oz., \$1.00	.30	3.60
Perennial Varieties Mixed... 1/8 oz., 65c; 1/4 oz., \$1.10		.35	.....
<b>Phlox</b> Divaricata. Flowers are of royal blue-lavender which varies a bit. Fragrant. 1 1/4 ft.....		.50	.....
Decussata. Perennial varieties mixed. Seed germinates slowly.....	1/4 oz., 60c	.35	2.00
<b>Physalis</b> Franchetti (Chinese Lantern Plant). Large bright orange scarlet pods, useful for winter decorations.....	1/4 oz., 75c	.25	2.50
Gigantea. The attractive orange-scarlet balloon seed pods are of the same color as the well known Franchetti but are twice as large.....	1/4 oz., \$1.00	.35	.....
<b>Physostegia</b> Summer Snow. A grand glistening white, all summer display. Dignified spikes on foliage of the deepest green. A fine cutflower.....	1/4 oz., \$1.50	.50	5.00

Rock plants are followed by X, and the heights given are of the plants when in bloom.



MATRICARIA Double Select White

Nudicaule or Iceland Poppies bloom from seed the first year if sown early.



POPPY Nudicaule The Emperor



PLATYCODON COERULEUM

## Seeds of Biennials and Hardy Perennials

### POPPY

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water and your Poppies will last from three days to a week in the house, or you can put them in full sun and they will stand up two or three days, or until the petals drop, without wilting.

- Papaver Nudicaule** × (Iceland). Amurense "Yellow Wonder." Large flowers of buttercup-yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs. . . . . 1/8 oz., 50c; 1/4 oz., 90c \$0.25 \$3.20
- Coonara. Salmon, pink and rose shades. 1 1/2 ft. . . . . 1/4 oz., 65c .25 2.20
- The Emperor.** Large-flowered, orange, long-stemmed. . . . . 1/4 oz., 70c .25 2.40
- The Empress.** Flower large, full, well formed, with broad overlapping petals, deeply fluted or wrinkled. The colors range through lovely shades of salmon-rose and creamy pink. . . . . 1/4 oz., 80c .25 . . . .
- Gartford Giant Art Shades. This mixture is an excellent strain with exceptionally fine large flowers, beautifully fluted and soft textured, carried on extremely long heavy, wiry stems. The color range includes lovely pastel shades. . . . . 1/8 oz., 60c; 1/4 oz., \$1.00 \$0.35 . . . .
- Kelmscott Strain.** The best strain, strong wiry stems when well grown 3 ft. long, large flowers in great variety of beautiful colors. . . . . 1/8 oz., 60c; 1/4 oz., \$1.00 .35 . . . .
- Red Cardinal. The nearest to a true crimson-scarlet. . . . . 1/4 oz., \$1.00; 1/8 oz., 60c .35 . . . .
- Yellow Emperor. New. Clear lemon-yellow. See Novelties. . . . . 1/4 oz., \$1.00; 1/8 oz., 60c .35 . . . .
- White. . . . . 1/4 oz. 70c .25 2.00
- Sanford's Giant Hybrids.** The flowers are immense, 2 1/2 to 3 inches in diameter. The color balance is excellent. The stems longest we have seen. Extremely free-flowering. 2 ft. . . . . 1/4 oz., 65c .25 2.20

### POPPY Nudicaule—Continued

Trade pkt. Oz.

Schinzianum. Somewhat taller and with slightly larger flowers than the well-known Iceland Poppy. Very profuse in bloom all summer and fall. Transplants quite readily. Color of bloom delicate buff-orange. A fine true perennial Poppy. . . . . 1/8 oz., \$1.00; 1/4 oz., \$1.75 \$0.35 . . . .

**Vaughan's Special Mixture** of Iceland Poppies, containing every worthwhile strain of these beautiful and useful Poppies. . . . . 1/4 oz., 80c .25 \$2.80

### ORIENTAL POPPY

The named varieties of Oriental Poppies do not come entirely true from seed.

- Oriental (Oriental Poppy). Scarlet. 3 ft. . 1/4 oz., 55c .25 2.00
- Beauty of Livermere. Oxblood-red with dark blotch. . . . . .35 . . . .
- Brilliant. Brilliant fiery red. 40 in. . . . . .35 . . . .
- Mahoney. Maroon-crimson. 40 in. . . . . .35 . . . .
- Mrs. Perry. Salmon Rose. . . . . .35 . . . .
- Perry's White. . . . . .35 . . . .
- Princess Victoria Louise. Flowers rather small, resembling a large tulip; perfect form; light orange-salmon. 40 in. . 1/8 oz., \$1.00; 1/4 oz., \$1.80 .50 . . . .
- Salmon Shades. Outstanding Strain. See Novelties . . . . . 1/4 oz., \$1.75; 1/8 oz., \$1.00 .35 . . . .
- New Oriental Hybrids.** From a collection of new named sorts. . . . . 1/4 oz., \$1.00 .35 3.50
- Vaughan's Special Mixture.** . . . . 1/4 oz., \$1.00 .35 3.50
- Platycodon Grandiflorum.** Blue, 28 in. . . 1/8 oz., 75c .35 . . . .
- Grandiflorum. Album. White, 28 in. . . 1/8 oz., 75c .35 . . . .
- Mariesii. Dark blue, dwarf. 16 in. . . . 1/4 oz., 85c .35 3.00
- Alba. White and faint blue dwarf 16 in. . . . . .35 . . . .
- Polemonium Coeruleum.** (Jacob's Ladder). Album. White. 30 in. . . . . 1/4 oz., 75c .25 . . . .
- Coeruleum Blue. . . . . 1/4 oz., 75c .25 . . . .
- Richardsoni. Dwarf, blue, early. 20 in. . . . . .50 . . . .
- Reptans. Flower sprays of china blue. Mounds of blossoms. A beauty, and adaptable to varied conditions. 12 in. . . . . .50 . . . .
- Polyanthus** (See Primula Veris).
- Potentilla Nepalensis** × Miss Willmott. Bright carmine rose, 12 in. . . . . 1/4 oz., 85c .35 . . . .
- Warrensi. A lovely plant for the sunny hardy border. Covered with large, pure yellow blossoms all summer. Suitable for cutting. 2 ft. 1/4 oz., 85c .35 . . . .

Rock plants are followed by X, and the heights given are of the plants when in bloom.





PRIMULA Veris Monarch Strain



STOKESIA Cyanea


 PYRETHRUM  
Robinson's Giant Hybrids Mixed

## Seeds of Biennials and Hardy Perennials

### PRIMULA VARIOUS SORTS

Acaulis Blue. The finest obtainable being regular and rich in color.....	Trade pkt. \$1.00	Oz. ....
Auricula. X Extra Large Flowered. Mixed, 6 in.....	1/8 oz., \$1.80; 1/4 oz., \$3.20	.75 ....
Monarch Strain Mixed. The finest strain of Exhibition Auricula. Wonderful markings on perfectly formed flowers.....	1/16 oz., \$1.75; 1/8 oz., \$3.20	1.00 ....
Bullesiana Hybrids. X Fine shades of yellow, orange, apricot and carmine. May-June. 18 in.....		.50 ....
Bulleyana. Flowers yellow, bud terra-cotta.....		.50 ....
Cashmeriana. Large flowered, lilac.....		.50 ....
Denticulata Grandiflora Hybrida X. Handsome clustered blossoms in varying degrees of lilac, lavender, mauve and purple. 12 in.....		.50 ....
Florindae. Fragrant, bright yellow pendent flowers. 3 to 4 ft.....		.50 ....
Japonica Mixed. Bright flowers borne in whorls on stems 6 to 9 in. long.....	1/8 oz., \$1.00	.50 ....
Officinalis, Cowslip, yellow. 10 in.....		.35 ....
Rosea Grandiflora. X Rose-carmine, May-June. 8 in.....		.75 ....
Vulgaris. X True. Yellow Primrose. 6 in.....	1/8 oz., \$1.00; 1/4 oz., \$1.75	.50 ....

Write for special prices on larger amounts.



PRIMULA VERIS COLOSSEA MIXED

### PRIMULA VERIS

	Trade pkt.	Oz.
Veris Giant Crimson.....	1/8 oz., \$3.00; 1/16 oz., \$1.75	\$0.75 ....
Lutea. Yellow.....	1/8 oz., \$1.00	.50 ....
Colossea Mixed. The large heads of flowers are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers which are freely produced are extremely large, measuring more than 1 1/4 inch across. The range of colors is most remarkable, including many quite new shades of lilac, pink, copper as well as the darkest red		1.00 ....
Giant Bouquet. A magnificent development of this old garden favorite, the flowers being of exceptional size, often 2 inches across. They are produced in great numbers and display an immense variety of coloring from white to cream, yellow, scarlet, purple and crimson. Borne on strong stems they are excellent for cutting, as well as making a splendid show in the garden.....	1/16 oz., \$2.40	1.00 ....
Monarch Mixed. Is the result of years of selection to fix a strain free from objectionable loose headed plants. The flowers are produced from a stiff and strong central stem. Strong and vivid colors are in majority, but soft art shades occur in sufficient number to create a perfect blend of colors.....	1/8 oz., \$2.00; 1/4 oz., \$3.75	.75 \$14.00
Grandiflora Mixed. Giant flowered finest mixed.....	1/4 oz., \$3.25; 1/8 oz., \$1.75	.75 ....
Giant Munstead Strain. Flowers of largest size containing fine shades in yellow and white.....	1/16 oz., \$1.20; 1/8 oz., \$2.25	.75 ....
Giant Red Shades.....	1/8 oz., \$3.00; 1/16 oz., \$1.75	.75 ....

### PYRETHRUM (Painted Daisies)

Roseum. James Kelway. Deep scarlet varies. 1/4 oz., \$1.75	.50	....
Rose.....	1/4 oz., \$1.50; 1/8 oz., 80c	.50 ....
Grandiflorum Mixed. Large flowering.....	1/4 oz., \$1.40; 1/8 oz., 80c	.50 5.00
Robinson's Giant Hybrids. Mixed.....	1/4 oz., \$1.75	.50 6.00
Robinson's Dark Crimson.....	1/4 oz., \$2.50	.50 ....
Double Pink.....		1.00 ....
Double Red.....		1.00 ....
Double Sulphur yellow.....		1.00 ....
Double White.....		1.00 ....
Double Mixed. Extra choice.....	1/4 oz., \$2.50; 1/8 oz., \$1.40	.50 7.50
Double Pyrethrum. Does not produce 100% double flowers—the percentage is better the second year it blooms.		
Cinerariaefolium. Persian Insect Powder Plant. White, for cutting. 2 ft.....	1/4 oz., 80c	.25 3.00

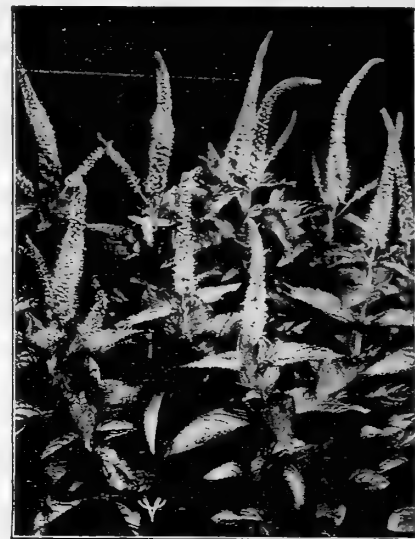
Rock plants are followed by X, and the heights given are of the plants when in bloom.



STATICE LATIFOLIA



SCABIOSA Caucasica, House's New Hybrids



VERONICA

## Seeds of Biennials and Hardy Perennials

<b>Ranunculus.</b> Asiaticus Mixed. Very fine varieties in mixture.....	Trade pkt. Oz.		
.....	1/4 oz., 60c	\$0.35	\$2.00
<b>Rock Plants.</b> Perennial Mixed.....	1/4 oz., 70c	.30	2.40
<b>Rudbeckia</b> Hirta Herbstwald (Autumn Tints). Well formed, large starflowers in yellow, bronze and brown shades on long, firm stems.....	1/4 oz., 40c	.25	1.40
Newmanii (Speciosa). Orange rays, black disc; a showy autumn bloomer.....	1/4 oz., 70c	.25	2.40
Purpurea (Echinacea). 4 ft.....	1/4 oz., 85c	.25	3.00
<b>Salvia</b> Patens. Very large flowers, splendid blue, free bloomer.....	1/4 oz., \$1.40	.50	.....
Pratensis. Dark Blue.....	1/4 oz., 60c	.35	2.00
<b>Saponaria</b> X Ocyroides Splendens. Rosy purple. Pretty border or rock plant.....		.25	.....
<b>Scabiosa</b> Caucasica Alba. Pure white. 40 in. 1/4 oz. \$1.00		.35	.....
Caucasica Perfecta. Lavender. Improved form, fringed flowers, very large and beautiful.....	1/4 oz., 65c	.30	2.50
<b>House's New Hybrids.</b> Flowers very large and of beautiful form, ranging in color from light azure-blue and lavender to deep blue and silvery white.....	1/4 oz., \$1.00	.35	3.50
<b>Goldingensis.</b> Large flowers, waved petals, small center, deep lavender.....	1/4 oz., \$1.00	.35	.....
<b>Vaughan's Special Mixture.</b> All the above Caucasica types.....	1/4 oz., 90c	.35	3.20
<b>Scutellaria</b> X Coelestina. Dense bushy habit, abundance of light blue flowers.....		.35	.....
<b>Sidalcea</b> Rose Queen. Splendid rose flowers. 1/4 oz., 75c		.35	.....
Rosy Gem. Mallow pink. 18 in.....	1/4 oz., \$1.00	.35	.....
New Hybrids.....	1/4 oz., 50c	.25	.....
<b>Silene</b> Schafta. X Bright pink, trailing habit, July. 8 in.		.50	.....
<b>Soldanella</b> X Alpina. Elegant dwarf Alpine, drooping pale blue flowers. 3 in.....		.50	.....
<b>Statice</b> Caspia. Tender lilac color.....	1/4 oz., 75c	.25	.....
Dumosa. Dense cushions of pure silver-gray flowers; an improved Tatarica. 30 in.....	1/4 oz., 85c	.35	3.00
Latifolia. Small lavender-blue flowers in large panicles. 1 ft.....	1/4 oz., 60c	.25	2.20
Perezii. Free-flowering lavender species. 30 in.....	1/4 oz., 60c	.25	2.00
<b>Stokesia</b> Cyanea (Stoke's Aster). Large blue flowers, dwarf habit, beautiful late bloomer....	1/4 oz., 80c	.35	2.80
<b>Sweet William.</b> See Dianthus Barbatus.			
<b>Teucrium</b> Chamaedrys. Many spikes of rose-colored flowers with attractive glossy, dark green foliage. Desirable for rock garden or edging.....		.50	.....

<b>Thermopsis</b> Caroliniana. Yellow pea-shaped flowers in long racemes. 3-5 ft.....	Trade pkt. Oz.		
.....	1/4 oz., 65c	\$0.25	\$2.20
<b>Thalictrum</b> Adiantifolium a charming dwarf species much used and admired, yellow flowers 1/4 oz., 50c		.25	.....
Aquilegfolium (Meadow Rue). Graceful foliage, mixed colors. 40 in.....	1/4 oz., 50c	.25	.....
Dipterocarpum. Lovely mauve flowers in large panicles, most charming for cutting. 4 to 5 ft....			
.....	1/8 oz., \$1.00	.50	.....
<b>Thymus</b> Serpyllum. X (Wild Thyme). Creeping, purple flowers. 2 in.....	1/16 oz., 90c; 1/8 oz., \$1.50	.50	.....
<b>Tradescantia</b> Mixed. Seed saved from named varieties.		.35	.....
<b>Tritoma</b> Hybrida Mirabilis. Blooms first year from seed.....	1/4 oz., 65c	.35	2.20
Miracle Mixture. Early flowering.....	1/4 oz., 85c	.35	3.00
Perpetual Flowering.....	1/4 oz., 65c	.35	2.20
Pfitzer's Hybrids. Large brilliant red....	1/4 oz., 65c	.30	2.20
<b>Trollius</b> Europaeus (Golden Ball). Yellow, distinct, late bloomer.....	1/16 oz., 85c	.35	.....
Hybridus Orange Globe. Large flowered..	1/16 oz., \$1.25	.50	.....
Mixed.....	1/4 oz., \$1.50	.35	.....
☞ Soak Trollius seed in hot water 30 minutes before sowing.			
<b>Tunica</b> X Saxifraga. Lilac-rose. May. 10 in. 1/4 oz., 85c		.35	.....
<b>Valeriana</b> Alba White (Garden Heliotrope). 36 in. Fragrant flowers in June.....	1/4 oz., 65c	.25	2.20
Rubra (Coccinea). Purple rose. 36 in....	1/4 oz., 65c	.25	2.20
Mixed.....	1/4 oz., 65c	.25	.....
<b>Verbascum</b> Miss Willmott. Large yellowish white flowers. 5 ft.....	1/8 oz., 50c	.25	.....
Harkness Hybrids. Immense spikes of pure yellow, tall vigorous habit, splendid variety. 7 ft.....		.25	.....
Olympicum. Silvery foliage, golden yellow flowers. 6 ft.			
.....	1/4 oz., 90c	.35	.....
Phoenixium Hybrids. Mixed. Graceful spikes in various shades. 2 ft.....	1/4 oz., 80c	.35	.....
<b>Verbena</b> Bonariensis Improved. Upright growing, slender branched stems, numerous terminal umbels of rosy lavender flowers. Germination takes full six weeks unless sown in a temperature of 75 degrees. 3 to 4 ft.....		.35	.....
<b>Veronica</b> Incana (Candida). Ageratum-blue, silvery foliage. 12 in.....		.50	.....
Longifolia (Maritima). Compact clusters of blue flowers. 30 in.....		.35	.....
Hendersoni. Dark blue, free flowering. 12 in.....		.50	.....
Spicata. Various shades. 1 1/2 ft.....	1/4 oz., 80c	.35	.....



VIOLA Cornuta. In Flower All Summer

## Seeds of Biennials and Hardy Perennials

### Viola

In most cases the true Violas are a better bedding subject than many Pansies.

<b>Cornuta</b> Admiration. Very large circular dark blue flowers. 8 in. ....	1/8 oz., \$1.00; 1/4 oz., \$1.75	Trade pkt. \$0.50	Oz. \$5.50
Apricot. Tinted orange at base. ....	1/8 oz., \$1.10	.50	....
Arkwright Ruby. Bright ruby crimson, with central markings; velvety; fragrant. ....	1/8 oz., \$1.50; 1/4 oz., \$2.60	.50	8.00
Avalanche. Giant pure white. ....		.50	....
Blue Beauty. Bright blue, early, free flowering. ...		.50	....
Blue Butterfly. Mid-blue shading to white. Resembles Pansy Beaconsfield. ....	1/4 oz., \$1.20	.50	4.00
Blue Perfection. Light blue, large flowered. 8 in. ....	1/8 oz., \$1.00; 1/4 oz., \$1.75	.50	5.50
Chantreyland. Masses of beautiful flowers in rich apricot shade, tinted orange. ....	1/4 oz., \$2.25	.50	....
Chinese Blue. A round-faced type of Viola. According to the Royal Horticultural Chart this is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. ....	1/4 oz., \$2.60; 1/8 oz., \$1.50	.50	8.00
Ilona. Wine-red. ....		.35	....
Jersey Gem. Compact habit, deep violet-blue. 8 in. Free flowering. ....	1/8 oz., \$2.00	.50	....
King Henry. Rich violet blue lavender center with small yellow eye. ....	1/8 oz., \$1.00	.50	....
Lutea Splendens. Chrome yellow. 8 in. ....	1/4 oz., \$1.20	.50	4.30
Papilio. Blue and white. 6 in. ....	1/4 oz., \$1.25	.35	....
Puck. Yellow and Purple. ....	1/4 oz., \$1.35	.35	4.80
White Perfection. White. Large flowered. 8 in. ....	1/4 oz., \$1.35	.35	4.80
<b>Vaughan's Special Mixture.</b> The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. ....	1/4 oz., \$2.60; 1/8 oz., \$1.50	.50	8.00
<b>Large Flowering Scotch.</b> This strain will have large flowers. The color range is from white through all intermediate shades to purple all with two tone effect without blotches. ....	1/4 oz., \$3.00; 1/8 oz., \$1.75	.50	10.00

### Viola—Various Types

Blue Elf. 9 in. The upper petals are deep violet blue, lower petals light violet blue with gold eye and black lines radiating from center, small dark green foliage. ....	1/8 oz., \$1.40; 1/16 oz., 80c	Trade pkt. \$0.50	Oz. ....
Baby Delight. Early flowering, blooming in 70 days from seed. Makes compact bushy growth. The flower is lovely light blue, with a pleasing "face," about one inch in diameter. ....	1/4 oz., \$1.50	.35	\$5.00
Mrs. A. H. Scott. 4 in. Top petals white, lower violet purple very bright. An excellent rock plant. ....	1/4 oz., \$1.50	.35	5.00
Florariense. Beautiful lavender. ....		.50	....
Johnny Jump Up. Little Pansy faces of purple, blue and yellow. ....	1/8 oz., 80c; 1/4 oz., \$1.50	.35	....
Helen Mount. Average height about 8" with about a 12" spread of plant. Narrow, bushy foliage. Very free blooming. Two upper petals rich violet, two smaller lower petals are lavender and the lower petal or lift is canary yellow with black lines radiating from the eye. ....	1/8 oz., 75c	.35	4.40
Nigra (Black Imp). Interesting and attractive little pansy, pretty small black flowers. ...	1/8 oz., \$1.00	.50	....
Odorata Semperflorens, Blue Sweetj Violet. ....		.35	....

### Annual Wallflowers

Their deliciously scented flowers are a worthwhile early Spring crop when grown in a limited way. They like rich soil and a temperature of 45 to 50 degrees.

Double Annual "Early Wonder Mixed." This remarkable Wallflower comes into bloom within five months from sowing. These must be grown in 4-inch flats; they do not like too much root room. 2 ft. ....	1/4 oz., 60c; \$0.25	Trade pkt. \$2.00	Oz. ....
Annual Blood-Red. ....		.20	.80
Yellow, 20 in. ....		.20	.80

Yucca Hardy Varieties Mixed. .... 1/4 oz., 70c .25 ....

### ANNUAL FLOWER SEEDS FOR FALL SOWING

Antirrhinum	Dianthus (Annual pinks)
Calendula	Gilia Capitata
Calliopsis	Gypsophila
Candytuft	Hunnemannia
Centaurea Cyanus	Larkspur
Cosmos	Mignonette
Cynoglossum (Chinese Forget-me-not)	Poppy Shirley

# Summer Flowering Bulbs FOR WHOLESALE TRADE ONLY

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE



## AMARYLLIS

Large Flowering Hybrids

One of the finest strains of Amaryllis we have ever seen, raised by eminent growers whose stock and hybridization for many years we have purchased in its entirety. Flowers are immense, borne as a rule four to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains.

	Doz.	100	1000
2¼-2½ inch.....	\$2.75	\$20.00	.....
2½-2¾ inch.....	3.50	25.00	.....
2¾-3 inch.....	4.50	30.00	.....

## BEGONIAS

Tuberous-Rooted

Every florist should grow some of these bulbs, as they make showy plants that find ready sales in the spring and summer. Use 4-inch pots and shift later to 5 and 6-inch pots if larger plants are wanted. A compost of one part rotted cow manure to two parts loam and one part leaf mold will give good results. Water sparingly until growth is started. They like a 55-58 degree temperature at night.

	Belgium Grown			California Grown		
	Doz.	100	1000	Doz.	100	1000
<b>Double Camellia-flowered, Separate Colors:</b>						
Small size.....	\$1.15	\$ 7.00	\$ 60.00	\$1.80	\$13.00	\$115.00
Medium size.....	1.75	12.00	110.00	2.75	18.00	175.00
Large size.....	2.50	17.00	150.00	3.25	23.00	220.00
<b>Carnation-flowered, Separate Colors:</b>						
Medium size.....	.....	.....	.....	2.75	18.00	175.00
Large size.....	.....	.....	.....	3.25	23.00	220.00
<b>Pendula or Hanging</b>						
Basket Type.....	.....	.....	.....	3.00	20.00	190.00

Write for prices on Begonias Multiflora Hybrids.

## CALADIUM ESCULENTUM

Sizes (Elephant's Ear)

	Doz.	100	1000
5 to 7 inch circumference.....	\$ .90	\$ 6.00	\$ 55.00
7 to 9 inch circumference.....	1.50	9.50	90.00
9 to 11 inch circumference.....	2.25	16.00	155.00
11 to 12 inch circumference.....	4.50	30.00	275.00

## CALLAS YELLOW

	Doz.	100
2-2½ inch.....	\$2.35	\$17.00

## GLOXINIAS

	Doz.	100	1000
1¼-1½ inch.....	\$1.80	\$13.00	\$120.00
1½-2 inch.....	2.75	18.00	175.00

## HYACINTHUS CANDICANS

**Summer Hyacinth.** Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

	Doz.	100	1000
1½ to 1¾ inches.....	\$0.80	\$5.50	\$50.00
1¾ inch and up.....	1.00	6.50	60.00

## ISMENE CALATHINA

**Peruvian Daffodil.** Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy..

2.50	18.00	.....
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## LILY BULBS

FROM COLD STORAGE F. O. B. CHICAGO

We take out Lilies from cold storage only on the 1st and 15th of each month.

## LILIUM AURATUM

	100	Case
8-9-inch (200 to case).....	\$37.50	70.00
9-11-inch (125 to case).....	45.00	55.00

## LILIUM REGALE

The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 to 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for outdoor planting.

	Doz.	100	1000
6 to 7-inch.....	\$1.50	\$10.00	\$95.00
7 to 8-inch.....	1.75	12.00	115.00
8 to 9-inch.....	2.25	16.00	150.00

## LILIUM PHILLIPINENSE WILSONI

A superior form of the trumpet lily which is fast becoming one of our most popular species. The flowers are pure white with an emerald-green throat and are shaded externally with violet. Bears up to eight flowers on stems 4 to 6 feet tall. Fragrant. One of the latest to flower, blooming from September to October. Doz. \$2.75; per 100 \$20.00.

## LILIUM RUBRUM

	100	Case
8-9-inch (200 to case).....	\$37.50	\$70.00
9-11-inch (125 to case).....	45.00	55.00

## MADEIRA VINE

One of the best and most popular climbers for foliage effect. Doz.

100	1000
2 to 3 inches.....	\$0.65 \$4.50 \$40.00
3 inches and up.....	.90 6.00 55.00

## MILLA BIFLORA

**Stars.** Showy white flowers, two inches in diameter, with six petals not quite separated. The stems are wiry, 12 to 18 inches tall. Very free blooming from July to September. Flowers cut well and have a pleasant Lily-like fragrance. Should be dug in fall, except in milder climates.

.90	6.00	55.00
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## MONTBRETIAS

They are highly valued for cut flowers. Our mixture contains many bright shades of yellow, salmon, orange and scarlet. They do best in a light loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply.

**Regular Mixed.** Doz. \$0.80 \$5.50 \$50.00

**Earlham Large-Flowered Hybrids, Mixed.** They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches.

1.15	7.50	70.00
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## OXALIS

	100	1000
Pink or White.....	\$3.00	\$20.00

## TIGRIDIA

**Shell Flower of Mexico.** Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb.

	Doz.	100	1000
Red and Yellow shades.....	\$1.10	\$7.00	\$65.00
Mixed.....	1.00	6.50	60.00

## TUBEROSES

Well-Cured Bulbs

Our Bulbs are secured from dependable growers who are very careful in selecting the best Dwarf Excelsior Pearl Type.

	100	1000
Dwarf Excelsior Pearl (First size, 4 to 6 inch.....)	\$8.00	\$75.00
(Second size, 3 to 4 inch.....)	4.00	37.50
Mexican Single.....	5.00	45.00

## ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

	Doz.	100	1000
Rosea Pink.....	\$0.90	6.00	55.0



# VAUGHAN'S GLADIOLI



SNOW PRINCESS



ROSA VAN LIMA

While the crop of Gladiolus is larger than last year the Fusarium yellows and bulb rot disease is still cutting in heavy in some growers stocks. This will make the larger sizes short again, therefore we suggest that when you get this catalogue you will get your orders placed at once so we can set aside your order for delivery whenever you want from January to June 15th.

Please allow us to send good substitutes in case we are out of the variety you order.

	100	1000
ALGONQUIN. Brilliant scarlet. <b>First Size</b> .....	\$4.00	\$35.00
Second Size.....	3.50	30.00
BADGER BEAUTY. Lavender. <b>First Size</b> .....	4.50	40.00
Second Size.....	4.00	35.00
BEACON. Salmon-scarlet. <b>First Size</b> .....	2.50	20.00
Second Size.....	2.15	16.00
BETTY NUTHALL. Light coral, pale orange throat. <b>First Size</b> .....	2.50	20.00
Second Size.....	2.15	16.00
BERTY SNOW. Lavender. <b>First Size</b> .....	3.50	30.00
Second Size.....	3.00	25.00
BIT OF HEAVEN. Orange. <b>First Size</b> .....	3.75	32.50
Second Size.....	3.50	27.50
BLUE BEAUTY. Fine medium blue. <b>First Size</b> .....	4.00	35.00
Second Size.....	3.50	30.00
BURMA. Deep Rose. <b>First Size</b> .....	8.00	75.00
Second Size.....	7.50	70.00
CAMELIA. Blush white tinted pink. <b>First Size</b> .....	3.75	32.50
Second Size.....	3.50	27.50
CHAMOUNY. Tall dark rose bordered silver. <b>First Size</b> .....	3.75	32.50
Second Size.....	3.50	27.50
CHARLES DICKENS. Violet purple. <b>First Size</b> .....	3.75	32.50
Second Size.....	3.50	27.50
CORONA. New light pink with creamy-white throat. <b>First Size</b> .....	4.00	35.00
Second Size.....	3.50	30.00
DEBONAIR. La France pink. <b>First Size</b> .....	2.75	22.00
Second Size.....	2.50	18.00
DR. F. E. BENNETT. Gigantic red. <b>First Size</b> .....	3.50	30.00
Second Size.....	3.00	25.00
EARLY ROSE. Rich rose, lighter in throat. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
ELOISE. Medium Lavender. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
ELIZABETH THE QUEEN. Fine ruffled lavender. <b>First Size</b> .....	5.50	48.00
Second Size.....	4.75	42.50

	100	1000
ETHEL CAVE-COLE. New large light pink. <b>First Size</b> .....	\$3.50	\$27.50
Second Size.....	2.75	22.50
FLAMING SWORD. Scarlet, early. <b>First Size</b> .....	2.50	20.00
Second Size.....	2.15	16.00
GLAMIS. Light rose with white throat. <b>First Size</b> .....	3.50	30.00
Second Size.....	3.00	25.00
GOLD DUST. Golden yellow. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
GOLD EAGLE. Tall, deep yellow. <b>First Size</b> .....	2.65	21.00
Second Size.....	2.25	17.00
KING LEAR. Deep reddish purple. <b>First Size</b> .....	3.50	30.00
Second Size.....	3.00	25.00
LEADING LADY. Large cream white. <b>First Size</b> .....	8.00	75.00
Second Size.....	6.50	60.00
LULU HUNT. Geranium-pink blending to shrimp center. <b>First Size</b> .....	2.50	20.00
Second Size.....	2.15	16.00
MAID OF ORLEANS. Milky white, cream throat. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
MARGARET BEATON. White with orange-red blotch in throat. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
MARGARET FULTON. Rose-salmon. <b>First Size</b> .....	2.50	20.00
Second Size.....	2.15	16.00
MINUET. Best lavender. <b>First Size</b> .....	5.00	45.00
Second Size.....	4.50	40.00
MISS BLOOMINGTON. Deep lemon-yellow. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
PELEGRINA. Deep blue. <b>First Size</b> .....	4.00	35.00
Second Size.....	3.50	30.00
PHYLLIS MCQUISTON. Deep pink. <b>First Size</b> .....	2.75	22.50
Second Size.....	2.25	17.00
PICARDY. Delicate apricot pink. <b>First Size</b> .....	3.50	30.00
Second Size.....	2.50	20.00
Third Size.....	2.15	16.00
PINK RADIANCE. Clear light pink with recurve petals. <b>First Size</b> .....	5.00	45.00
Second Size.....	4.50	40.00
PURPLE SUPREME. Tall Purple. <b>First Size</b> .....	5.00	45.00
Second Size.....	4.50	40.00
ROSA VAN LIMA. Bright pink with light throat. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
SILENTIUM. Improved Margaret Beaton—white with red throat. <b>First Size</b> .....	3.50	30.00
Second Size.....	3.00	25.00
SNOW PRINCESS. A very fine white. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
STOP LIGHT. Dazzling red. Very good spike. <b>First Size</b> .....	3.75	32.00
Second Size.....	3.50	27.50
SPOTLIGHT. Deep yellow, red throat. <b>First Size</b> .....	9.50	90.00
Second Size.....	8.00	75.00
VALERIA. Best red. <b>First Size</b> .....	5.00	45.00
Second Size.....	4.00	35.00
VAGABOND PRINCE. Mahogany brown with flame blotch. <b>First Size</b> .....	5.00	45.00
Second Size.....	4.00	35.00
WANDA. Cream sport of Puards. <b>First Size</b> .....	3.00	25.00
Second Size.....	2.50	20.00
WHITE GOLD. Large cream. <b>First Size</b> .....	3.50	30.00
Second Size.....	3.00	25.00
STANDARD MIXED. Not a field grown mixture, but blended thoroughly after harvest. All good, standard sorts. <b>First Size</b> .....	2.50	18.00
Second Size.....	2.00	14.00

## EXTRA FINE MIXTURE

A mixture of fine, popular, higher priced varieties, containing a fine range of colors. **First Size** \$3.00 \$25.00  
**Second Size** 2.60 20.00

## DE LUXE MIXTURE

Put up 100 to the bag, to assure a splendid mixture. All high class, superfine varieties. **First Size** 4.50 40.00  
**Second Size** 4.00 35.00

# Greenhouse Plant Department

## AFRICAN VIOLETS

### Saintpaulia

	Per 100	Per 1,000
Blue Boy. 2 inch. ....	\$20.00	.....
3 inch. ....	40.00	.....
The following variety sold under license agreements.		
Pink Beauty. A pink Sport of Blue Boy. (No shipments less than 100). 2 1/4 inch. ....	25.00	.....

## AGERATUM

No RC orders less than 100

Cardinal Mundelein. Dwarf. Rooted Cuttings. ....	\$2.25	\$20.00
Riverside Imp. Dwarf, large head of bloom. Rooted Cuttings. ....	2.25	20.00
Purple Beauty. Dwarf. Rooted Cuttings. ....	2.25	20.00
2 1/4 in. on all the above. ....	6.00	50.00

## ASPARAGUS Plumosus Nanus or Sprengerii

	Per 100	Per 1,000
Seedlings. ....	\$ 3.00	\$28.00
2 1/4-inch. ....	10.00	95.00
Aloe. Assorted varieties, 2 1/4 inch, fine for dish gardens. ....	15.00	
Achyranthus Brilliancy. 2 1/4 inch. ....	8.00	
Buddleias, Hartwegi, Eleanor, Charming and Debonnet. 2 1/4 inch. ....	10.00	

## GROWING ON AZALEAS—SPRING 1949

We are offering herewith the most complete selection of varieties of Azaleas. The smaller sizes and early shipments are f. o. b. Apopka, Florida. The later shipments and larger sizes f. o. b. Dayton, Ohio.

### Kurume Varieties

A very complete list of the most popular varieties—Coral Bells, Hexe, Salmon Beauty, Snow, Hindogiri, Pink Pearl, Hexe de Saffelaere, Orange Coral Bells.

### Pericat Varieties

Many years of effort have been put into completing this outstanding collection—Sweetheart Supreme, Pink Pericat, Gardenia Supreme, Sweetheart, Jersey Bell, Pride, Splendor, China Sea, Baby Pericat, etc.

### Southern or Regular Single Flowered Indicas

Many of our southern customers have requested that we also furnish this type of Azaleas—Hortensia, Concinna, Formosa, Fielders White, Brilliant, Pride of Mobile, Coccinea Major, McCrantha-Pink and Orange Elegans.

	Per 100	Per 1,000
Rooted Cuttings. ....	\$ 50.00	\$ 500.00
Heavy branched transplants. ....	125.00	
3 to 5 ins. ....	\$20.00	
4 to 6 ins. ....	30.00	
6 to 8 ins. ....	50.00	
8 to 10 ins. ....	75.00	

### Belgian or Large Flowered Indicas

We have built up quite a complete collection of these increasingly popular varieties—Paul Schame, Jean Haerens, Triomphe, Eclairer, Vervaeana, Vervaeana Alba, Niobe. The smaller sizes and early shipments are f. o. b. Apopka, Florida. The later shipments and larger sizes f. o. b. Dayton, Ohio.

	Per 100	Per 1,000
Rooted Cuttings. ....	\$ 75.00	\$ 750.00
Transplants. ....	150.00	
3 to 5 in. ....	\$30.00	
4 to 6 in. ....	50.00	
6 to 8 in. ....	75.00	

All varieties and sizes quoted are subject to prior sale. All prices are F.O.B. No packing charges. Add 10% when ordering less than 25 of any one variety.

## FORCING AZALEAS—FALL 1949

### Budded Dormant Sotck

Well grown, heavily budded plants for October, November delivery, no packing charges. Stock held for after December 1st delivery, subject to 10% storage charges. Varieties: Coral Bell, Hexe, Sweetheart Supreme, Pink Pericat, Fortune, Salmon Beauty, Snow, Pink Pearl, etc.; fob Lebanon and Dayton, Ohio. All plants are peat grown, thus eliminating excessive express weights.

	Per 100	Per 1,000
5 to 6 in. ....	\$ 50.00	
6 to 8 in. ....	75.00	
8 to 10 in. ....	100.00	
10 to 12 in. ....	135.00	
12 to 14 in. ....	200.00	

### Azalea—Belgian Indicas Own Root

Triomphe, Jean Haerens, Vervaeana, Eclairer, etc.

6 to 8 ins. ....	\$1.00
8 to 10 ins. ....	1.50

### Rutherfordianas

Alaska, Pink Ruffles, Dorothy Gish, Alice Mueller. ....	Each
6 to 8 ins. ....	1.00
8 to 10 ins. ....	1.50

### Potted Coral Bells for Christmas Flowering

(Pre-Cooled)

Through early potting and pre-cooling we have been able to produce excellent plants for Christmas flowering Azaleas. All plants are well shaped and heavily budded. Shipping date November 15th, f.o.b., Lebanon, Ohio.

5 ins. ....	\$1.00
6 ins. ....	1.50
7 ins. ....	2.00

## CALADIUMS—Vaughan's

### Special Fancy-Leaved

Choice dormant bulbs for January and February delivery. Large variety named sorts. This is one of the most decorative plants for greenhouse growing, window boxes or show plants. Rich, ornamental leaves, handsomer than Begonias; marbled, veined and striped with white, pink and dark red.

Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.

We find an increasing demand for caladiums; pot plants sell readily from early spring until late summer.



FANCY-LEAVED CALADIUM

CALADIUMS are easily grown but should not be put in a Carnation temperature. Start the bulbs in flats, turning them upside down, since this is a crown-rooting bulb and the roots come out around the top (center) eye. This direct contact with the growing medium produces roots more quickly than the opposite method. Use a mixture of one part leaf-mold, one part good garden loam, and one part peat moss or other coarse neutral material, throwing in a small amount of coarse charcoal or other rubble for drainage. Press the bulb halfway into the soil and place the flats under a bench. The flats can also be placed on top of the flows, but if this is done, they should be shaded. The temperature should be 80 to 85 degrees or higher, as the higher the temperature, the better starting results you will have. Be careful that the flats do not dry out if placed either on the flows or returns. Water sparingly until the bulbs begin to sprout and have roots 4 to 6 inches long. When the sprouts begin to show, place the bulbs in 5 or 6-inch pots, using a good rich leaf-mold. Water copiously when in full growth and use weak liquid manure once weekly if possible.

### No. 1 Size, 1 1/2" to 2 1/2" Dia.

	Doz.	Per 100	Per 1,000
Assorted. ....	\$2.50	\$15.00	\$140.00
Named Varieties. ....	2.50	17.00	150.00
Jumbo Size, 2 1/2" to 3 1/2" Dia. ....			
Assorted. ....	3.50	21.00	205.00
Named Varieties. ....	3.50	24.00	235.00
Mammoth Size, 3 1/2" and up Dia. ....			
Assorted. ....	4.50	34.00	335.00
Named Varieties. ....	4.50	38.00	375.00

## BEGONIA

Standard Varieties. 7 1/4-inch. ....	10.00	95.00
Lady Mac, Marjorie Gibbs and Melior. 2 1/4-inch. ....	35.00	.....
Lady Mac, Marjorie Gibbs and Melior. 3-inch. ....	50.00	.....

## CANNAS

Dormant Roots ready for February 1st, 1949.

City of Portland. 3 1/2 ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink. ....	6.50	60.00
Dorothy S. A new dwarf, continuous flowering, clear salmon red canna. A sport of President. Produces large flowers and grows 4 ft. tall. Very vigorous and drought-resistant. ....	7.00	65.00
King Humbert. 4 ft. scarlet flowers, bronze leaves, greatest favorite today. ....	6.50	60.00
Yellow King Humbert. 4 ft. An orchid flowering sport of the well known variety King Humbert. ....	6.50	60.00
The President. 4 ft. In color a rich glowing scarlet with immense rounded flowers 7" across when fully open, produced on strong, erect stems well above the large green foliage. ....	6.50	60.00
Hungaria. 3 1/2 ft. Very compact, almost dwarf, and of luxuriant growth. Leaves bluish green, never burn. Flowers LaFrance pink. ....	6.50	60.00

Prices are F.O.B. Shipping Point.

We assume no transportation risk after shipping in good order. Should goods arrive in bad order, we would suggest that they be accepted under protest, and complaint filed against carrier.

Soft plants are not shipped to distant points by freight.

Billing—50 of any one variety at the 100 rate; 250 at the 1000 rate, except as noted.

Packing will be charged on all orders at cost.

No C. O. D. Shipments.

All foregoing prices subject to change without notice.

## AVOID DISAPPOINTMENT

Place your orders now for plants required for next year. More and more customers are ordering months in advance, and our orders are now the heaviest in our experience.

# Greenhouse Plant Department

## CARNATIONS

	Per 100	Per 1,000
<b>WHITE</b>		
Arundel.....	\$12.00	\$100.00
Colonel Blimp.....	12.00	100.00
Mercury.....	15.00	125.00
Northland.....	12.00	100.00
White Briry.....	15.00	125.00
White Fisher.....	10.00	80.00
Shangri La.....	20.00	150.00
Olivette.....	10.00	80.00
<b>LIGHT PINK</b>		
Hercules Virginia.....	15.00	125.00
Virginia.....	10.00	80.00
*Virginia Dare.....	15.00	125.00
*Netta.....	20.00	150.00
<b>SALMON PINK</b>		
Salmon Virginia.....	10.00	80.00
Ida.....	10.00	80.00
<b>MEDIUM PINK</b>		
*Citation.....	20.00	150.00
Virginia Rose.....	10.00	80.00
Peter Fisher.....	10.00	80.00
<b>DARK PINK</b>		
Virginia Miller.....	15.00	125.00
John Briry.....	10.00	80.00
Dark Pink Fisher.....	10.00	80.00
<b>RED</b>		
*Tom Knipe.....	20.00	150.00
*William Sims.....	20.00	150.00
Red Seth Parker.....	12.00	100.00
Victory Red.....	12.00	100.00
<b>MISCELLANEOUS</b>		
C. W. Weld.....	12.00	100.00
Miller's Yellow.....	12.00	100.00
Frosted Patrician.....	10.00	80.00
Pelargonium.....	15.00	125.00
Scarlet King.....	15.00	125.00
*Spirit of St. Louis.....	17.50	150.00
*Olmsted Orange.....	20.00	150.00
*Red Champion.....	20.00	150.00

### MINIMUM ORDER 100 CUTTINGS OF ONE VARIETY

250 AT THE 1000 RATE

Sorry we can accept no orders specifying delivery date. All orders will be shipped in rotation, in the order in which they are received.  
\*Sales restricted. Agreements must be signed.

### New Carnation LUCILLE

This outstanding improvement commands a premium in the cut flower markets. Petals of medium pink, form flower of exceptional size, full bodied, with long sturdy stem. It has a strong calyx free from any tendency to split, and is a heavy producer. We recommend this variety in every respect. Sold only under propagation agreement. Minimum order 250. Price, per 100 .....\$20.00

## CALCEOLARIA

	Per 100	Per 1,000
<b>SEEDLING TYPE</b>		
Multiflora Nana and Triumph.....	\$17.00	
<b>GROWN FROM CUTTINGS</b>		
Mary Louise, Pure Flame, Stewartii, Rosacker's Brilliant, Golden Talisman and Cherry Queen.....	27.00	

## CINERARIAS

	Per 100	Per 1,000
<b>Cremer's Prize Mixture and Siter's Strain. 2 1/4-inch....</b>	<b>\$10.00</b>	<b>\$95.00</b>

## COLEUS

Standard varieties, 2 1/4 inches.....	9.00	85.00
(500 at 1,000 rate on all of above)		

## CYCLAMEN

### Standard Varieties

Transplants.....	\$12.50	\$120.00
3 inch.....	33.50	280.00

## DAISIES

Yellow, rooted cuttings.....	4.00	35.00
Nicholson's White, rooted cuttings.....	4.00	35.00
2 1/4 in. size on both of above.....	9.00	85.00

## FUCHSIAS

Black Prince, Dwarf Double Purple, Little Beauty. 2 1/4 inch..	10.00	100.00
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## GERANIUMS

Better Times, Imp. Mme. Landry, Lady Esther, Irvington Beauty, Brooks Red, Olympic, Pink Fiat, 2 1/4 in.....	\$5.00	12.50	120.00
Red Fiat, Ricard, Wyona, Radio Red, Lorelei, Poitevine, Buchner. 2 1/4 in.....	3.50	11.50	110.00
(500 at 1000 rate).			

## HYDRANGEAS

### Pot Grown Hydrangeas

December delivery, 1949, f.o.b. Dayton, Ohio. Short, heavy canes. Grown and cured right for early forcing. Hamburg, Europa, Merveille, Strafford, Kuhnert, Regula.

	Each
3 inch 1 branch.....	\$0.25
4 inch 2 to 3 branch.....	.40
4 inch 3 to 4 branch.....	.50
5 inch 3 to 5 branch.....	.65
5 inch 5 to 7 branch.....	.85

All Prices per 100 plants on the following:

### Novelties

"Bobby Merritt," "Jean Merritt" Caprice, Daphne, Engel's White, "Merritt's Beauty," Strafford.

R.C. \$20.00; 2-in., \$30.00; 3-in., \$40.00; 4-in., \$50.00; 5-in., \$60.00; 6-in., \$80.00; 7-in., \$125.00.

### Recent Introductions

Altona, Europa, Hamburg, Kuhnert, Merveille, Regula, Rosabelle.  
R.C. \$12.00; 2-in., \$18.00; 3-in., \$25.00; 4-in., \$40.00; 5-in., \$50.00; 6-in., \$75.00; 7-in., \$85.00.

### Standard Varieties

Gertrude Glahn, Goliath, Louis Savage, Niedersachsen.  
R.C. \$6.00; 2-in., \$10.00; 3-in., \$18.00; 4-in., \$35.00; 5-in., \$45.00; 6-in., \$70.00; 7-in., \$85.00.

### Our Selection of Varieties

Billed according to varieties shipped

### Order rooted cuttings and 2-in. Hydrangeas now, for Spring Delivery 1949

## LANTANAS

	Per 100	Per 1,000
All the best colors 2 1/4 ins.....	\$9.50	\$90.00

## PELARGONIUMS

Azalea	Lavender Queen	Mrs. Mary Bard
Edith North	Mrs. Laval	Giant Venus
Orchid Edith North	Marie Vogel	Mrs. F. Bachler
Springtime	Grossmama Fischer	Pink Vogel
Easter Greeting	Salmon Springtime	Edith Cavell
Lucy Becker	Santa Monica	MacKay No. 2
German Glory	Ruth W. McAfee	MacKay No. 10
Gardener's Joy	Beverly Hills	MacKay No. 12

Size	Per Dozen	Per 100	Per 1,000
2 inch.....	\$2.40	\$17.00	\$165.00
3 inch.....	3.25	24.00	230.00

## PETUNIA

Colossal double, pink shades, 2 1/4 in.....	10.00	95.00
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### POINSETTIA STOCK-PLANT PRICE LIST FOR 1949

#### ON ORDERS PLACED NOW

Albert Ecke (the finest colored commercial pot-plant variety), Variegated Ruth Ecke, and Ecke's White, field-grown plants per 100; Jumbo \$100.00; No. 1 \$80.00; No. 2 \$60.00; No. 3 \$50.00; No. 4 \$35.00; No. 5 \$25.00.

Indianapolis Red, per 100; Jumbo \$150.00; No. 1 \$120.00; No. 2 \$90.00; No. 3 \$60.00; No. 4 \$40.00; No. 5 \$25.00.

Mrs. Paul Ecke, Oak Leaf, Ruth Ecke, Double Henriette Ecke, Barbara Ecke, St. Louis, and Pink, field-grown plants per 100; Jumbo \$95.00; No. 1 \$70.00; No. 2 \$50.00; No. 3 \$35.00; No. 4 \$25.00; No. 5 \$20.00.

At the present time we are in a position to reserve for you any amount in any size of all varieties.

The above prices are f.o.b. eastern cities, c/o Railway Express Agency, on orders placed NOW for April 1949 delivery. ON ORDERS PLACED AFTER JANUARY 1st, A TEN PERCENT PACKING CHARGE WILL BE MADE.

## PRIMULA

	Per 100	Per 1,000
Primula Malacoides seedlings.....	\$ 5.00	47.50
Primula Malacoides 2 1/4 in.....	10.00	95.00
Primula Obconica 2 1/4 in.....	10.00	95.00
(500 at 1,000 rate.)		

## VERBENA

Schlosser's Pride, Schlosser's Rose, Scarlet King, Mayflower, Helen Wilmott, Royal Purple, Beauty of Oxford, cerise, Beauty of Oxford, pink, Beauty of Oxford, scarlet, Beauty of Oxford, lavender, Gigantea Alba.		
Rooted Cuttings.....	2.25	20.00
2 1/4 inches.....	6.50	60.00

## VINCA

Variegata, 2 1/4 in.....	10.00	95.00
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Ask for quotation on Achyranthus, Dusty Miller, Ferns, Cactus, Dish Garden Plants, Philodendron, Pothos and Snapdragon, and other items not listed herein.

# Vaughan's Chrysanthemum Rooted Cuttings for 1949

## GENERAL INFORMATION

Fifty rooted cuttings of one variety is the minimum order that can be accepted.

More than fifty of a variety must be in multiples of fifty.

Price of unrooted cuttings \$1.00 per 100 less than rooted cuttings.

Our Mum stock is lighted to take care of orders for out of season flowering. There will be limited varieties of rooted cuttings available at all times.

Please indicate the earliest delivery date which will be acceptable and the maximum number of cuttings that can be handled in a single shipment.

In all cases where we are unable to ship very close to the requested delivery date, we will indicate our best estimate of delivery of each variety on the acknowledgement of the order. We suggest that you advise us whether you prefer to accept delivery as indicated or prefer that we substitute to the best of our ability.

We are sending this catalog to you at this early date in order to facilitate better planning for your next year's chrysanthemum program.

In order for us to be able to assure the delivery of mum cuttings when you want them it is necessary to have your order **AT LEAST SIX MONTHS IN ADVANCE** of the shipping date requested.

## NEW INTRODUCTIONS

**CHRISTMAS STAR.** This variety was originally shown as Carnival at the National Mum show. A scarlet red single flowering for Christmas.

**BRONZE MINUET.** Bronze sport of Minuet.

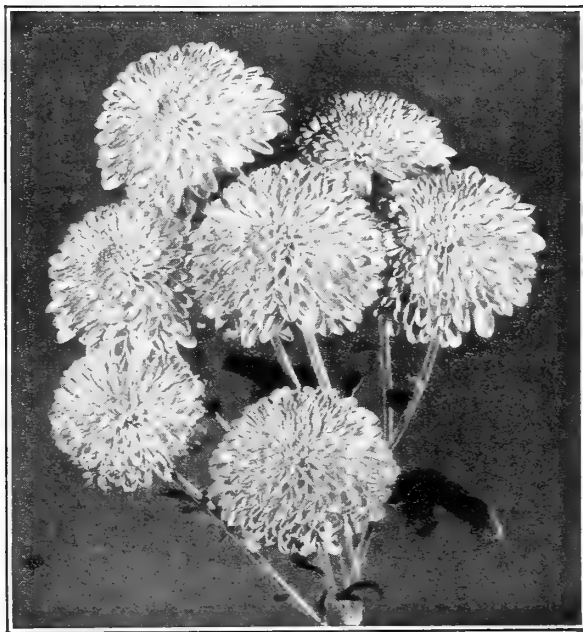
**MINSTREL.** A large lavender pompon of excellent substance. Easily the best pompon in this color class for December and Christmas.

**GOLDEN ANNIVERSARY.** A yellow pompon about the size of Sunnyside that flowers for Christmas and later.

**MARY McARTHUR.** A pinkish bronze early high quality small pompon. The flower resembles Mrs. Bulkeley in size, form and substance. It responds very well to black cloth shading and is very useful in the earliest shading, also grown as a garden variety in some sections.

**YULEFLAME.** A large decorative yellow pompon similar to Vibrant which blooms with the variety Revelation.

**Prices on all of above varieties: 500 and up \$7.00 per 100—100 to 450, \$7.50 per 100—50 only, \$8.00 per 100.**



**GOLD COAST (BAUR-STEINKAMP)**

**GOLD COAST (Baur-Steinkamp).** A small deep lemon yellow pompon blooming normally October 25. It lends itself ideally to early shadings. Its clean, vigorous free growth habit is outstanding. In growth habit and production, it is very similar to Pinocchio. It is one of an important trio for early shading . . . Gold Coast, Pinocchio and Carolyn Yosick. The flower is small and firm; the color is intense. Easily grown and consistently dependable—a top notch cloth house variety. We recommend Gold Coast as the best yellow pompon for early shading. **Price, 500 and up, \$5.00 per 100; 100 to 450, \$5.50 per 100; 50 only, \$6.00 per 100.**



**DARK PINK ORCHID QUEEN (DELWORTH)**

**DARK PINK ORCHID QUEEN (Delworth).** An intense mauve pink sport from Orchid Queen with the added attributes of increased vigor in both plant and flower. The importance of its value over its parent for early shading has been proven by extensive tests. The color is much deeper. The flower is larger and more fully rounded. The foliage, stem and height of the plant are larger and stronger than the original. Dark Pink Orchid Queen should rapidly take a prominent position in the list of good standards. **Price, 500 and up, \$6.00 per 100; 100 to 450, \$6.50 per 100; 50 only, \$7.00 per 100.**

## IMPORTANT NOTICE ABOUT "STUNT" DISEASE

Offers of chrysanthemum cuttings in this catalogue are made without guarantee against any losses the buyer may incur as result of the epidemic disease known as "Stunt." The cause of this disease is not known, and experiment stations working on the problem have not

determined whether it is carried on the plants, or in the growing medium. Every effort is being made to deliver stock which is free from infection, but purchases must be made with the understanding that we assume no responsibility for losses which may result from the "Stunt" disease.

**VAUGHAN'S SEED COMPANY**





RED RUST (DEPETRIS)

**RED RUST (Depetris).** An exquisitely colored, well rounded, large pompon, blooming November 5. The color is a beautiful blend of orange, red and chrome bronze similar to Natoma. The habit of growth is clean, uniform, and vigorous with excellent foliage and well branched sprays. The scintillating color is an epoch in chrysanthemum breeding but it is sensitive to intense light and is, therefore, best adapted to later greenhouse shadings and natural flowering. It possesses greater vigor and is easier to grow than Natoma. The production excels that of Navaho. Price, per 100, 500 and up, \$6.00; 100 to 450, \$6.50; 50 only, \$7.00.

**SERENITY (Yoder Bros., Inc.) White Daisy—September 25.** The major requirements of a good garden chrysanthemum are early, showy, flowers borne on rigid compact, bushy plants. A degree of resistance to frost winter kill, insects and diseases is equally desirable. Serenity combines all of these qualities plus a uniformity of growth and flowering seldom exceeded by an outdoor chrysanthemum. It is a beautiful creamy white, heavily petalled daisy that opens rapidly to a real show of literally hundreds of blooms.

As a pot plant, it resembles the bushy, compactness of Judith Anderson and Pomponette. The shapely plant, because of its strength and rigidity makes a beautiful border or low hedge. Price per 100, 500 and up, \$7.00; 100 to 450, \$7.50; 50 only, \$8.00.

**SPELLBOUND (Yoder Bros., Inc.) Lavender Pink Decorative—September 25.** A striking 3 inch decorative that combines the beauty and grace of Lavender Lady with the durability and substance of Jean Treadway. Spellbound captivates the eye with its gloss and finish derived from Burgundy. The plant is a solid, compact bush attaining a height of 24 inches. The characteristic, uniformly planned flower development contributes to a wonderfully showy mass effect that cannot fail to greatly enhance the early fall garden. The habit of growth is equally ideal for pot plant culture. Price per 100, 500 and up, \$7.00; 100 to 450, \$7.50; 50 only \$8.00.

**CAROLYN YOSICK (Shelby Floral).** A small, decorative, lavender pink pompon that flowers naturally October 20. Carolyn Yosick gives a sharp and uniform response to black cloth shade and its major value is for August and September flowering. It complements and completes an important trio for early shading—Carolyn Yosick, Pinocchio, and Gold Coast. It has a very dependable growth habit, does not crown like Jewell, and has a much more rigid stem than Jessie and Pink Dot. The small, decorative flower of Carolyn Yosick possesses excellent color-holding quality, and is very satisfactory under even the earliest shadings. Its color is not outstanding in natural daylight but brightens or softens remarkably under artificial lights. We suggest that you wait to evaluate this variety until the reports from the wholesalers are received. Price per 100, 500 and up \$6.00; 100 to 450, \$6.50; 50 only \$7.00.

**HONEYCOMB (Yoder Bros., Inc.) Yellow Pompon—September 25.** A small, perfectly formed pompon of intense golden yellow. The flowers in well formed sprays, make ideal cut flowers on medium 18-22 inch stems.

Honeycomb is a marked advance over the widely grown and well known Early Yellow and Pomponette in that the habit of growth is more vigorous and productive, the flowering season is equally early and the quality and color of the flower is such as to closely rival many greenhouse grown counterparts.

Honeycomb will shape up to a fine pot plant or add a distinctive note of formality and rich color to the fall garden scene. Price per 100, 500 and up \$7.00; 100 to 450, \$7.50; 50 only \$8.00.

**BROCADE (Yoder Bros.).** A lively cameo pink daisy that blooms naturally with Masterpiece, November 15. The variety is of extremely easy culture. Its free, vigorous growth makes for top production. It is medium to tall in height, and the strong stems develop big, well branched sprays. The response of Brocade to shading is similar to that of Masterpiece and should be grouped with that variety in the shading program. Brocade is the pink daisy to complement Masterpiece in later shadings and natural flowering. Price per 100, 500 and up, \$6.00; 100 to 450, \$6.50; 50 only \$7.00.

# Pompon, Single and Anemone Varieties

Types are abbreviated as follows: P=Pompon; A=Anemone; S=Single; D=Decorative; s=small; I=Intermediate; L=Large; R=Reflexed; S-In.=Semi-incurved; In.=Incurved. ●=Special Pot Plant Varieties Recommended for Shading.

## YELLOW

Flower Date	Name	Color	Type	Price per 100		
				500 Up	100 to 450	50
10-15	Yel. Irene	Lemon	s.P.	\$4.00	\$4.50	\$5.00
10-20	Rodell Imp.	Lemon	I.P.	4.00	4.50	5.00
10-25	Golden Herald	Dp. Golden	L.D.	4.50	5.00	5.50
10-25	Yellow Dot	True Yellow	I.P.	4.00	4.50	5.00
10-25	Gold Coast	Dp. Lemon	s.P.	5.00	5.50	6.00
10-28	Yel. Arcadia	Pernet	I.P.	4.00	4.50	5.00
11-1	Mary L. Hall	Dk. Lemon	I.P.	4.00	4.50	5.00
11-1	Yel. Daisy	Dk. Lemon	I.S.	4.50	5.00	5.50
11-5	Barcarole	Golden	I.P.	4.00	4.50	5.00
11-5	Nuggets	Golden	s.P.	4.00	4.50	5.00
11-5	Constellation	Yellow	I.D.	6.00	6.50	7.00
11-8	Yel. Bushnell	Pernet	I.P.	4.50	5.00	5.50
11-10	Pixie	Golden	s.P.	4.00	4.50	5.00
11-10	● Yel. Beauty	Golden	L.P.	4.00	4.50	5.00
11-15	Tally-Ho	Golden	I.P.	7.00	7.50	8.00
11-15	Yel. Princeton	Orange	I.D.	4.50	5.00	5.50
11-15	Yel. Fellow	Dk. Lemon	I.D.	4.50	5.00	5.50
11-15	● Sunray	Lt. Lemon	I.A.	4.00	4.50	5.00
11-18	Susanne Miller	Buff	L.A.	4.00	4.50	5.00
11-23	Yel. Rolinda	Buff	I.A.	4.00	4.50	5.00
11-25	Sunnyside	Golden	I.P.	4.00	4.50	5.00
11-25	Goldsmith	Golden	I.D.	4.50	5.00	5.50
11-28	Golden Jane	Golden	L.S.	4.50	5.00	5.50
11-30	● Yel. Cordova	Lemon	I.D.	4.00	4.50	5.00
12-5	Yel. Cameo	Dk. Lemon	I.P.	5.00	5.50	6.00
12-5	Omega	Lt. Lemon	I.P.	6.00	6.50	7.00
12-10	Yel. Supreme	Buff	L.A.	4.00	4.50	5.00
12-15	December Gold	Dk. Golden	I.D.	5.00	5.50	6.00
12-20	Sunkist	Orange	I.S.	6.00	6.50	7.00
12-20	Vibrant	Dk. Lemon	I.D.	4.50	5.00	5.50
12-25	Golden Anniversary	Yellow	I.P.	7.00	7.50	8.00
12-25	Yel. Snow	Dp. Lemon	I.P.	4.00	4.50	5.00
12-30	Yuleflame	Yellow	I.D.	7.00	7.50	8.00

## WHITE

Flower Date	Name	Color	Type	Price per 100		
				500 Up	100 to 450	50
10-15	Silver Ball	White	L.P.	\$4.00	\$4.50	\$5.00
10-15	Irene	White	s.P.	4.00	4.50	5.00
10-20	Minong	White	s.P.	4.00	4.50	5.00
10-25	Cotton Top	White	I.P.	5.00	5.50	6.00
10-25	● Granite State	White	L.P.	5.00	5.50	6.00
10-25	Pinocchio	White	s.P.	5.00	5.50	6.00
10-28	Arcadia	White	I.P.	4.00	4.50	5.00
11-1	Sea Gull	Cream	I.P.	4.00	4.50	5.00
11-1	White Doty	Ivory	L.P.	4.00	4.50	5.00
11-5	White Anemone	White	I.A.	4.50	5.00	5.50
11-8	Rev. Bushnell	Cream	I.P.	4.50	5.00	5.50
11-10	● Richard Mandel	White	L.P.	4.00	4.50	5.00
11-10	Vesper	White	I.P.	4.00	4.50	5.00
11-10	White Mensa	Ivory	I.S.	4.00	4.50	5.00
11-10	● Little America	White	I.A.	4.00	4.50	5.00
11-15	Shasta	White	I.A.	4.00	4.50	5.00
11-15	White Freida	White	L.A.	4.00	4.50	5.00
11-20	Pearl	White	I.P.	4.00	4.50	5.00
11-20	White Norma	White	L.A.	4.00	4.50	5.00
11-20	L.I. Beauty	White	L.A.	4.00	4.50	5.00
11-20	Matchless	White	I.P.	5.00	5.50	6.00
11-20	Seafarm	White	I.P.	4.00	4.50	5.00
11-23	Priscilla	White	I.P.	5.00	5.50	6.00
11-25	Nevada	White	I.A.	5.00	5.50	6.00
11-30	● Cordova	Cream	I.D.	4.00	4.50	5.00
12-5	Cameo	Ivory	I.P.	4.50	5.00	5.50
12-10	Wh. Supreme	White	L.A.	4.00	4.50	5.00
12-10	Yukon	White	I.S.	4.00	4.50	5.00
12-15	Garza Supreme	White	I.A.	5.00	5.50	6.00
12-25	Snow	Ivory	I.P.	4.00	4.50	5.00
12-25	Revelation	White	I.P.	4.00	4.50	5.00

# Pompon, Single and Anemone Varieties—Continued

Types are abbreviated as follows: P=Pompon; A=Anemone; S=Single; D=Decorative; s=small; I=Intermediate; L=Large; R=Reflexed; S-In.=Semi-incurved; In.=Incurved. ●=Special Pot Plant Varieties Recommended for Shading.

## BRONZE AND RED

Flower Date	Name	Color	Type	Price per 100		
				500 Up	100 to 450	50
10-20	Roman Bronze	Pink Br.	I.P.	\$4.00	\$4.50	\$5.00
10-23	Adelaide	Red Br.	s.P.	4.50	5.00	5.50
10-23	Jemima	Dp. Bronze	I.P.	4.50	5.00	5.50
10-25	Fire Bird	Red. Bronze	I.D.	4.50	5.00	5.50
10-28	Oct. Bronze	Lt. Bronze	I.S.	5.00	5.50	6.00
11-1	Seneca	Bronze	I.P.	6.00	6.50	7.00
11-3	Br. Buckingham	Orange Br.	I.S.	4.00	4.50	5.00
11-5	Red Daisy	Red	I.S.	5.00	5.50	6.00
11-5	Red Rust	Red Bronze	L.P.	6.00	6.50	7.00
11-5	Cassandra	Orange Br.	I.P.	4.50	5.00	5.50
11-8	Br. Bulkeley	Lt. Bronze	I.P.	4.50	5.00	5.50
11-8	Bittersweet	Red	I.S.	5.00	5.50	6.00
11-10	Sylvanna	Orange Br.	I.S.	4.00	4.50	5.00
11-10	The Titan	Scarlet	L.A.	4.00	4.50	5.00
11-10	Navaho	Crimson	I.P.	5.00	5.50	6.00
11-15	●Gypsy	Red Bronze	s.A.	4.00	4.50	5.00
11-15	●Br. Masterpiece	Rosewood Br.	I.P.	4.00	4.50	5.00
11-15	Red Princeton	Brazil Red	I.D.	4.50	5.00	5.50
11-20	Catherine	Red Br.	I.D.	4.00	4.50	5.00
11-20	Rusticon	Rust Red	I.P.	5.00	5.50	6.00
11-20	Legal Tender	Gold Bronze	I.D.	4.00	4.50	5.00
11-23	●Red Rolinda	Red Bronze	I.A.	4.00	4.50	5.00
11-25	Yolanda	Orange Br.	s.A.	4.00	4.50	5.00
11-25	Br. Goldsmith	Mars Orange	I.D.	4.50	5.00	5.50
11-25	Br. Minuet	Bronze	L.A.	7.00	7.50	8.00
11-28	Apricot Valencia	Bronze	L.S.	4.50	5.00	5.50
12-1	Viking	Mahogany	I.S.	4.50	5.00	5.50
12-10	Calvalcade	Red	I.P.	5.50	6.00	6.50
12-10	Debonair	Crimson	D.P.	5.00	5.50	6.00
12-15	Sarong	Scarlet	I.S.	5.00	5.50	6.00
12-20	Christmas Star	Red	I.S.	7.00	7.50	8.00

## PINK

10-15	Jewell	Lavender	s.P.	\$4.00	\$4.50	\$5.00
10-15	Dk. Pk. Jewell	Dark Lav.	s.P.	4.00	4.50	5.00
10-20	Carolyn Yosick	Lav. Pink	s.D.	6.00	6.50	7.00
10-23	Capt. Cook	Rose	I.P.	4.00	4.50	5.00
10-25	Jessie	Lavender	I.P.	4.00	4.50	5.00
10-25	Pink Dot	Lav. Pink	I.P.	4.00	4.50	5.00
10-25	Mary McArthur	Pinkish Br.	I.P.	7.00	7.50	8.00
10-28	October Pink	Lt. Lav.	I.S.	5.00	5.50	6.00
11-1	Lillian Doty	Rose	L.P.	4.00	4.50	5.00
11-3	W. H. Buckingham	Rose	I.S.	4.50	5.00	5.50
11-8	Dk. Pk. Bulkeley	Dk. Rose	I.P.	4.50	5.00	5.50
11-8	Mrs. Bulkeley	Shell Pink	I.P.	4.50	5.00	5.50
11-10	●Thyra	Lavender	L.P.	4.00	4.50	5.00
11-10	●Queen of Pinks	Lavender	L.P.	4.00	4.50	5.00
11-15	Orchid Beauty	Orchid	I.A.	4.00	4.50	5.00
11-15	Freida	Lt. Lav.	L.A.	4.00	4.50	5.00
11-15	Brocade	Cameo Pink	I.S.	6.00	6.50	7.00
11-15	●Masterpiece	Tourmaline	I.P.	4.00	4.50	5.00
11-18	Norma	Salmon Pink	L.A.	4.00	4.50	5.00
11-18	Dk. Pk. Norma	Dk. Lav.	L.A.	4.00	4.50	5.00
11-25	Hasagawa Pink	Lavender	I.S.	4.00	4.50	5.00
11-25	●Beautiful Lady	Dk. Lav.	L.A.	4.00	4.50	5.00
11-25	Uneeda	Lavender	I.P.	4.00	4.50	5.00
11-25	Usona	Lavender	I.P.	4.00	4.50	5.00
11-25	Minuet	Rose	I.P.	5.00	5.50	6.00
11-28	Valencia	Orchid	L.S.	4.00	4.50	5.00
11-28	Dk. Pk. Valencia	Dk. Orchid	I.S.	4.50	5.00	5.50
12-5	Enchantress	Dp. Pink	L.A.	4.00	4.50	5.00
12-10	Dk. Pk. Supreme	Lavender	L.A.	4.00	4.50	5.00
12-10	●Riviera	Pink	I.D.	4.00	4.50	5.00
12-10	Rosalind	Rose	I.S.	4.00	4.50	5.00
12-20	Minstrel	Lavender	I.P.	7.00	7.50	8.00
12-20	Pk. Treasure Isl.	Lt. Lav.	I.D.	4.00	4.50	5.00

## STANDARD VARIETIES

### YELLOW

10-15	●Gold Lode	Light Golden	I-R.	\$4.00	\$4.50	\$5.00
10-15	●Celestra	Lemon	s.In.	4.00	4.50	5.00
10-20	●Mrs. Kidder	Deep Lemon	L.In.	4.00	4.50	5.00
10-25	Yel. Ambassador	Lt. Lemon	L.In.	4.50	5.00	5.50
10-25	●Blazing Gold	Dp. Golden	I.In.	4.50	5.00	5.50
10-25	Sunglow	Golden	L.In.	4.00	4.50	5.00
11-5	Good News	Dp. Lemon	I.In.	4.50	5.00	5.50
11-5	Yel. Turner	Lt. Lemon	L.In.	5.00	5.50	6.00
11-8	Ind. Yellow	Lemon	I.In.	4.50	5.00	5.50
11-10	Yel. Queen	Yellow	L.In.	6.00	6.50	7.00
11-15	Yel. Monument	Lt. Lemon	L.In.	4.00	4.50	5.00
11-20	Yel. Mefo	Lemon	L.In.	4.50	5.00	5.50
11-20	●Bonnaffon Deluxe	Golden	s.In.	4.00	4.50	5.00
11-20	●Friendly Rival	Chrome	L.In.	4.00	4.50	5.00
11-23	Marie DePetrus	Dp. Golden	L.In.	4.00	4.50	5.00
11-23	Harvester	Canary	s.In.	6.00	6.50	7.00
11-25	Golden Pearson	Lt. Golden	I.In.	4.00	4.50	5.00
11-25	Imp. Yel. Chattanooga	Lt. Lemon	L.In.	4.00	4.50	5.00
11-25	●Sun Gold	Lemon	I.S-In.	4.00	4.50	5.00
12-3	Golden Mrs. Ross	Golden	L.In.	4.00	4.50	5.00
12-10	Golden Mistletoe	Lt. Lemon	L.In.	4.00	4.50	5.00
12-15	Meteor	Lemon	I.S-In.	6.00	6.50	7.00
12-15	●Imp. Tobin's Yel.	Dp. Lemon	I.S-In.	5.00	5.50	6.00

## STANDARD VARIETIES—Continued

### WHITE

Flower Date	Name	Color	Type	Price per 100		
				500 Up	100 to 450	50
10-20	Silver Sheen	White	I.In.	\$4.00	\$4.50	\$5.00
10-20	●Christina	White	s.In.	4.00	4.50	5.00
11-1	Albatross	White	L.In.	4.50	5.00	5.50
11-1	Betsy Ross	Ivory	L.In.	4.00	4.50	5.00
11-1	Ambassador	Cream	L.In.	4.50	5.00	5.50
11-1	●Snow White	White	I.In.	4.00	4.50	5.00
11-5	William Turner	White	L.In.	5.00	5.50	6.00
11-8	Ind. White	White	I.In.	4.50	5.00	5.50
11-10	●Jean Elizabeth	White	I.In.	5.00	5.50	6.00
11-15	Monument	Ivory	L.In.	4.00	4.50	5.00
11-18	●Marketeer	White	I.S-In.	4.00	4.50	5.00
11-20	Mefo	Ivory	L.In.	4.50	5.00	5.50
11-25	Chattanooga	White	L.In.	4.00	4.50	5.00
11-25	●White Frick	White	I.In.	4.50	5.00	5.50
12-1	Dec. Glory Large	Ivory	I.In.	4.00	4.50	5.00
12-5	●Margaret Moeller	White	L.In.	4.00	4.50	5.00
12-10	White Mistletoe	White	I.In.	4.00	4.50	5.00
12-15	●Smith's Late White	Ivory	I.S-In.	5.00	5.50	6.00

## BRONZE AND RED

10-15	Indianola	Lt. Bronze	I.S-In.	\$4.50	\$5.00	\$5.50
10-25	Hilda Bergen	Mah. Bronze	s-In.	4.50	5.00	5.50
11-5	Detroit News	Red-Bronze	I.In.	4.50	5.00	5.50
11-8	Ind. Bronze	Buff-Bronze	I.In.	4.50	5.00	5.50
11-10	Anacoda	Coppery Red	I.In.	4.50	5.00	5.50
11-10	Br. Orchid Queen	Apricot Br.	L.In.	5.00	5.50	6.00
11-15	Garnet King	Dk. Red	I.R.	5.00	5.50	6.00
11-15	Mrs. Roy	Crimson	I.In.	5.00	5.50	6.00
11-25	Br. Frick	Lt. Bronze	I.In.	4.50	5.00	5.50
11-25	Gladys Pearson	Buff Bronze	I.In.	4.00	4.50	5.00
11-25	Oak Leaf	Red Bronze	I.In.	4.00	4.50	5.00
12-10	Br. Mistletoe	Buff Bronze	I.In.	4.00	4.50	5.00

## PINK

10-15	Pink Chief	Lavender	I.In.	\$4.50	\$5.00	\$5.50
10-20	Major Bowes	Dp. Lav.	I.In.	4.50	5.00	5.50
11-5	●J. W. Prince	Rose	I.In.	4.50	5.00	5.50
11-8	Ind. Pink	Dp. Lav.	I.In.	4.50	5.00	5.50
11-10	Orchid Queen	Orchid	L.In.	5.00	5.50	6.00
11-10	Dk. Pk. Orchid Queen	Mauve Pk.	L.D.	6.00	6.50	7.00
11-23	●Helen Frick	Rose	I.In.	4.50	5.00	5.50
11-23	Thanksgiving Pink	Dk. Lav.	I.R.	4.00	4.50	5.00
11-25	Edwin Seidewitz	Lavender	I.In.	4.00	4.50	5.00
11-25	Distinction	Lavender	I.In.	4.50	5.00	5.50
12-10	Pink Mistletoe	Lavender	I.In.	4.00	4.50	5.00

## SPIDER TYPES

10-25	Kay Tashima	White	Spider	\$6.00	\$6.50	\$7.00
11-5	Red Spider	Magenta	Spider	6.00	6.50	7.00
11-5	Rayonante	Yellow	Spider	6.00	6.50	7.00
11-10	Peggy Ann Hoover	Pink	Spider	6.00	6.50	7.00

## GARDEN VARIETIES

### WHITE

9-20	Jean Cumming	Ivory	I.D.	\$5.00	\$5.50	\$6.00
9-25	Serenity	White	I.S.	7.00	7.50	8.00
10-5	Avalanche	White	I.D.	4.50	5.00	5.50

### YELLOW

9-15	Early Yellow	Golden	s.P.	\$4.50	\$5.00	\$5.50
9-25	Honeycomb	Golden	s.P.	7.00	7.50	8.00
9-30	King Midas	Lemon	I.D.	4.00	4.50	5.00

## BRONZE AND RED

9-15	Early Bronze	Orchid Br.	s.P.	\$4.50	\$5.00	\$5.50
10-5	Burgundy	Wine Red	I.P.	4.00	4.50	5.00
10-5	Ruby Pompon	Crimson	I.P.	4.00	4.50	5.00
10-5	Red Velvet	Crimson	I.D.	4.00	4.50	5.00
10-8	Aviator	Copper	I.D.	5.00	5.50	6.00

## PINK

9-25	Early Wonder	Lavender	I.D.	\$4.00	\$4.50	\$5.00
9-25	Spellbound	Lavender	I.D.	7.00	7.50	8.00
10-5	Mrs. DuPont	Peach Pk.	I.D.	4.00	4.50	5.00
10-8	Lavender Lady	Lavender	I.D.	4.00	4.50	5.00
10-15	Allegro	Shrimp Pk.	I.D.	5.00	5.50	6.00

# Perennial Plant Specialties

We list and describe below plants of perennials which are much in demand, including recent introductions. These are heavy rooted, healthy, field grown plants. 25 Plants—at the 100 Price. Not Less Than 25 of Any One Variety Can Be Ordered.

## ANCHUSA (Sea Bugloss)

**Italica Dropmore (Alkanet).** Grows 5 to 6 feet tall and makes a splendid background plant. Bears loads of true gentian flowers in June. Very hardy and sturdy. Per 100, \$12.00.

## AQUILEGIA (Columbine)

These are among the most beautiful of hardy plants and the most important parts of the hardy perennial garden. Their presence will lighten up even the most formal planting and their colorful blooms are unexcelled for cutting.

**Crimson Star.** One of the finest and most striking Aquilegias we know of. Bright Crimson with the inside of the bloom a waxy white. Probably the largest flowering of the Columbines. Good for cutting as blooms keep exceptionally long. Per 100, \$18.00.

**Longissima. (Longest Spurred).** One of the finest Columbines. Flowers are extra large, of the finest quality and their clear yellow color lends charm to any planting. Per 100, \$15.00.

**Mrs. Scott Elliott's Hybrids.** Unquestionably the finest color mixture grown. Flowers are large, have long spurs and the colors cover all shades of lavender, purple, red, white, yellow, blue and pink. Per 100, \$14.00.

## ANEMONE

**Pulsatilla (Pasque Flower).** A fine plant for the rock garden or borders; grows 9 inches high. Lovely mauve flowers with golden stamens. Blooms late April and May. Per 100, \$15.00.

## ARABIS (White Rock Cress)

**Alpina.** A splendid creeping plant which seldom grows over 12 inches high. Bears masses of white blossoms in early spring. Foliage is very ornamental balance of the year. Per 100, \$12.00.

## ARTEMISIA (Southernwood)

**Silver King.** A striking contrast plant with light silvery gray foliage. Much used in mixed bouquets. May be cut and dried for winter use. We offer well rooted cuttings. Per 100, \$14.00.

## ASCLEPIAS (Orange Butterfly Weed)

**Tuberosa.** Produces an abundance of brilliant orange flowers during July and August. Plants attain a height of 2 to 2½ feet; are extremely hardy and grow successfully in any soil. Per 100, \$14.00.

## CAMPANULA (Bellflower)

**Carpatia. (Dwarf Blue Bells of Scotland)**—Excellent for rockeries or for edging. Plants form rounded clumps 6 to 8 inches high; produce bright green foliage and beautiful dark bell-shaped blossoms of large size. Per 100, \$12.50.

## HARDY CARNATION

### (Carnation Grenadin)

Almost a necessity in your garden. These hardy outdoor carnations have unlimited uses. For spots of bright color, for cutting and for fragrance they are unexcelled. Bloom practically all through the summer. 18 inches.

**King of the Blacks.** One of the finest hardy carnations. Large flowering and fragrant with deepest maroon color and satiny black sheen. Per 100, \$14.00.

**Golden Sun.** Sweet scented, golden yellow. Per 100, \$16.00.

**Pink.** We highly recommend this for clear pink color. Per 100, \$16.00.

**Red.** Really brilliant color and very profuse habit of bloom makes this much desired. Per 100, \$14.00.

**White.** To complete the color range in your carnation planting be sure to include this one. Per 100, \$16.00.

## CHEIRANTHUS (Siberian Wallflower)

**Allionii, Golden Bedder.** Bright golden yellow blooms make a rich color display in the rockery or border during May and June. Plants reach a height of 12 inches. Per 100, \$12.00.

## COREOPSIS (Tickseed)

One of the most useful perennials for borders and for cutting. Very easy to grow and produce golden yellow blooms in great profusion throughout the summer.

**Double Sunburst (New Gold).** A new variety which bears double flowers of good color. Keeps exceptionally well when cut. Large plants. Per 100, \$15.00.



## HARDY CHRYSANTHEMUMS

### FROM 2¼" POTS

### Choice Hardy Garden Chysanthemum

**Appleblossom.** Appleblossom pink shading to white. Cactuslike petals. Blooms in September. Tall stems. Per 100, \$18.00.

**Avalanche.** One of the best whites. Four inch flowers. A perfect early blooming cut flower on tall stems. Per 100, \$15.00.

**Chris Columbus.** Outstanding ivory-white, excellent for cutting. Height 30". Blooms in October. Per 100, \$18.00.

**Early Wonder.** New, large soft pink pompons. Excellent for cutting. Blooms early October. Height 38 inches. Per 100, \$15.00.

**Harbor Lights.** Pale yellow and creamy white pompon. Prolific early bloomer. Height 24 inches. Per 100, \$15.00.

**Lavender Lady.** A true lavender. Three inch flowers spaced perfectly on branching spray. One of the most popular mums. Per 100, \$15.00.

**Mrs. Pierre S. DuPont III.** Soft peach tinted rosy-salmon. Large flowers on tall branching stems. Blooms early October. Per 100, \$15.00.

**Red Velvet.** Velvet crimson, does not fade. Sturdy growth. Flowers early October. Per 100, \$15.00.

**Ruby Pompon.** An exciting ruby-crimson pompon. Upright and very profuse bloomer. Flowers in October. 26 inches tall. Per 100, \$18.00.

## English Mums

**Alabaster.** Pure white, large size and good substance. Incurred five inch flowers, if disbudded. Mid-September. Height 30 inches. Per 100, \$18.00.

**Alex Mason.** Rich butter-cup yellow, large incurved flowers on tall stems. Easy to grow and will make 6 inch blooms if disbudded. Late September. Height 30 inches. Per 100, \$20.00.

**Bronze Early Buttercup.** Rich deep bronze with golden buff reverse. A fine incurved variety. Blooms early October. Height 30 inches. Per 100, \$18.00.

**Indiana.** Glowing velvety crimson, shaded darker in the center. Good either disbudded or in sprays. Very early. Per 100, \$20.00.

**Leda.** Beautiful rolled petals of heliotrope pink. Flowers 5 to 6 inches diameter, if disbudded. Early October. Height 30 inches. Per 100, \$18.00.

## Chrysanthemums, Chicago Strain

**Autumn Song.** Large, wine-rose shading to carmine. One of the most outstanding of the Chicago mums. Height; 22". Blooms about September 10th. Per 100, \$20.00.

**Candlelight.** Well formed flowers of Creamy-ivory; Prolific bloomer. Early September. Height 22 inches. Per 100, \$20.00.

**Charles Nye.** Large, fully double, rich butter-cup yellow. Mid-September. Height 26 inches. Per 100, \$20.00.

**Chiquita.** Deep Lemon-yellow pompon. Early October. Height 22 inches. Per 100, \$20.00.

**Heatherbloom.** Very double, heather pink, center shaded Rose-red with gold tipplings. Early September. Height 24 inches. Per 100, \$20.00.

## Azalea-Like Mums

**Camilla.** A new rich cherry red. Our introduction. Height 20". Blooms in September. Per 100, \$20.00.

**Dwarf Jewel.** Soft lilac lavender pompon. Per 100, \$18.00.

**Glacier.** Absolutely pure white. Very early. Per 100, \$18.00.

**Joan Helen.** Brilliant semi-double. Rich garnet with yellow eye. Smothered with blooms in September. One of the most beautiful. Per 100, \$15.00.

**Sonja.** Rich satiny purple. A new and striking variety. Per 100, \$15.00.

## Standard Cushion Varieties

**Bronze Cushion.** Deep Bronze turning to coppery yellow. Per 100, \$12.00.

**Pink Cushion.** Myriads of bright pink flowers. Per 100, \$12.00.

**Red Cushion.** A select rich glowing red. Per 100, \$12.00.

**Yellow Cushion.** A distinctive bright yellow. Per 100, \$12.00.

## September Series

**Sept. Bronze.** Golden bronze. Per 100, \$15.00.

**Sept. Cloud.** White shading to primrose. Per 100, \$15.00.

**Sept. Sunshine.** Golden yellow. Per 100, \$18.00.

## DIANTHUS BARBATUS

### (Sweet William)

An old fashioned flower of which we never tire. Loads of colorful blooms are produced in June. Excellent for color masses in beds or for cutting. Very hardy, easy to grow. Height 1½-2 ft. We offer the following varieties:

## EVERBLOOMING HARDY SWEET WILLIAM

**Latifolius Atrococcineus Flora Plena.** A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Per 100, \$12.00.

**Vaughan's Special Mixture.** Excellent strain of vigorous growing plants with wide range of brilliant mixed colors. Per 100, \$13.00.

## DIANTHUS PLUMARIUS

### (Clove Pinks)

New strains of the old-fashioned Hardy Pinks have brought this grand flower back into favor. Noted for their exquisite fragrance and free blooming habit. Plants bloom during June and grow 15 to 18 inches tall.

**Cyclops.** Deep rosy crimson hybrids; red center. Very fragrant. Per 100, \$12.00.

**Double Mixed.** Old-fashioned hardy pinks in assorted colors. Plants are extremely hardy and will thrive almost anywhere. Per 100, \$12.00.

**Spring Beauty.** Large size, double blooms; typically carnation in form and fragrance. Wide range of mixed color shades. Per 100, \$12.00.

## DIGITALIS (Foxglove)

**Giant Shirley Hybrids.** This elegant strain of an old fashioned flower grows to 4 feet high, ideal for tall colorful backgrounds. The color mixture is superb. We heartily recommend this variety of Foxglove. Per 100, \$15.00.

# PERENNIAL PLANT SPECIALTIES—Continued

## THE WORLD'S FINEST DELPHINIUMS

### The Famous Vetterle and Reinelt Pacific Hybrids

This elegant strain of Delphinium is almost beyond description. Flower spikes 3 to 5 feet long closely packed with individual flowers from 2 to 3 inches across; many are double, semi-double, some single. The plants are resistant to mildew and stems are wiry and strong enough to resist high winds. These are strong, well rooted field grown plants.

**Black Knight.** Darkest violet with black bees. Flowers  $2\frac{1}{2}$  to 3 inches in diameter on long, well formed spikes.

**Blue Bird.** Clear medium blue with white bees.  $2\frac{1}{2}$  inch flowers. A true blue delphinium.

**Blue Jay.** The color is a striking clear medium to dark blue; very intense and alive, with dark contrasting bee.

**Cameliard.** A bright lavender with a white bee. Three inch flowers on beautifully balanced spikes.

**Galahad.** The greatest achievement in giant whites. The 1949 series are outstanding in size, texture and purity of color.

**Guinevere.** Beautiful pink lavender with white bee. A true exhibition type and a beautiful garden plant.

**King Arthur.** One of the most brilliant delphiniums so far developed. Rich royal purple with large white bee.

**Round Table Series.** As the name implies, this represents all the color combinations of the Knights and their Ladies. Their size will make them invaluable for show purposes.

**Summer Skies.** Light heavenly blue with white bees. As a class this is the finest blue delphinium in existence today.

**Your Choice of the above Listed Varieties—**  
Per 100 \$18.00

**Belladonna Imp.** Cliveden Beauty. Light blue. Per 100, \$12.00.

**Bellamosum.** Deep blue. Per 100, \$12.00.

**Lamartine.** Deep blue, white eye. Per 100, \$12.00.

**Blackmore and Langdon Hybrids.** Mixed colors. Per 100, \$13.00.

**Wrexham Strain.** Hollyhock flowered. Mixed colors. Per 100, \$13.00.

## GAILLARDIA (Blanket Flower)

For general hardiness and the profusion with which they produce their colorful blooms, the Gaillardias are in a class by themselves. Plants require only the very simplest care. Blooms keep extremely long after cutting or will make a bright color display in the perennial border.

**Burgundy.** Outstanding for its vigorous growth and long blooming period. Plants produce a profusion of warm, rich dark red blossoms with high-tufted centers. Very colorful and very desirable in the mixed border. Per 100, \$15.00.

**Dazzler.** One of the most brilliant of the family. Large flowering type with blooms of bright golden yellow, centered by a disc of satiny maroon. 2 ft. Per 100, \$15.00.

**Goblin, Dwarf.** A true dwarf Gaillardia which deserves a place in every garden. Grows 12 to 15 inches high in very compact shape. Foliage practically disappears under the mass of large deep red and gold blooms. Per 100, \$15.00.

**Portola Hybrids.** Extremely large flowering strain and noted for the wide range of deep colors which vary from reddish brown to deep gold. Makes colorful bouquets. 2 ft. Per 100, \$14.00.

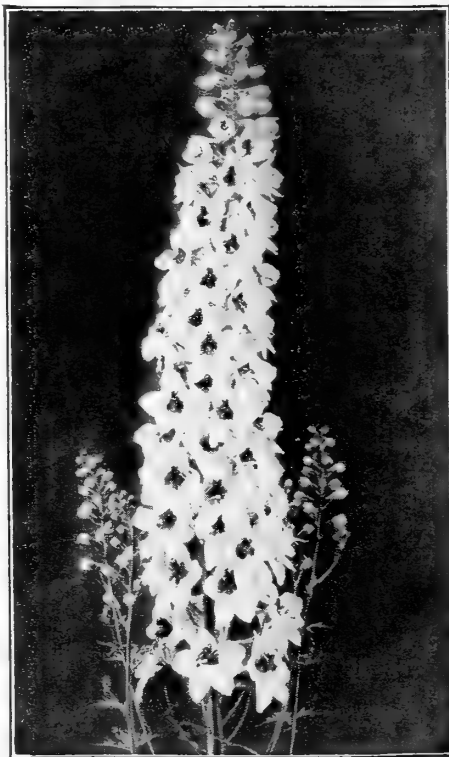
## GYPSOPHILA (Baby Breath)

One of the best known perennials and most loved for the delicacy of its blooms. For misty garden beauty or when used in mixed bouquets it has no equal.

**Bristol Fairy.** Conceded to be the best double white Baby's Breath. We highly recommend this variety for its graceful beauty and wide popularity. We offer strong grafts from  $2\frac{1}{4}$ -inch pots. Per 100, \$22.50.

**Pacifica.** Beautiful pearly pink blooms in branching panicles. Grows 18 inches tall and blooms in September and October. Excellent for use in fall bouquets. Per 100, \$12.00.

**Paniculata (Grafting Size)** Dense, spreading, bushy type which reaches a height of 3 feet. Numberless tiny white blooms completely hide the plant during flowering season. May be cut and dried for winter use. Foliage is fine in texture and ornamental in rockery or border. July on till frost. Per 100, \$16.00.



DELPHINIUM Giant Hybrids

## HELIANTHEMUM (Hardy Sun Rose)

No plant is more beautiful or colorful for the rock garden, border or wherever a very low-growing plant is desired. Their multitude of brilliant colors and blooms attract attention and add charm wherever used. Glossy green foliage forms a beautiful background for the flowers.

**Mutabilis, Mixed.** Beautiful hybrids of rose, white and yellow. Plants grow 6 to 10 inches high; bloom during May and June. Per 100, \$12.50.

## HIBISCUS (Giant Mallow)

Unequaled for tall backgrounds or for specimen plants. Their large-leaved, ornamental foliage is very desirable in the border. Tall erect canes bear large, bell-shaped flowers often measuring 7 or 8 inches across. Plants are easily grown and very hardy; attain a height of 4 feet. Bloom during August.

**Mallow Marvel, Pink.** Per 100, \$12.00.

**Mallow Marvel, Jumbo Red.** Per 100, \$12.50.

## HELIOPSIS (Hardy Zinnia)

Outstanding for their hardiness and fine color. Plants are of compact growing habit with strong, straight stems. Very free flowering; valuable for cutting.

**Lemoine's Giant.** Large, double blooms of golden yellow color. Flower from July until frost; plants grow 2 to 3 feet tall. Per 100, \$18.00.

## HOLLYHOCKS

No flower has more sentiment or is more closely associated with our memories than hollyhock. We have selected the outstanding variety listed below as being the best for our customers and we know you will be pleased when they bloom. May-June. 5 ft.

**Newport Pink.** Rich, shimmering pink blooms on tall stems. Per 100, \$14.00.

**Scarlet Beauty.** Brilliant scarlet color for bold backgrounds. Per 100, \$14.00.

## IBERIS (Hardy Candytuft)

These delightful plants have a very distinct place in the rockery or wherever a dwarf plant with evergreen foliage is needed. Very hardy and rarely exceed 18 inches in height. May be used for dwarf flowering hedge. Dense heads of blooms in early spring.

**Gibraltarica.** Dwarf, with evergreen foliage. Masses of lavender bloom in early spring. Splendid for edging. Per 100, \$16.00.

## LIATRIS (Blazing Star or Gayfeather)

One of the taller growing perennials and very useful for perennial bed background. Does well in any type of soil and under adverse moisture conditions.

**Pycnostachya.** Flower stems rise to a height of 6 feet, each topped by a foot-long flower spike of richly colored rosy-purple bloom. Blossoms during July and August. Excellent for cutting. Per 100, \$15.00.

## LOBELIA (Cardinal Flower)

**Cardinalis.** Often called "Indian Fire Stick." Plant is of dwarf growth habit but each summer sends up 18 to 24 inch stems from a rounded clump of foliage, each stem topped with an 8 to 10 inch spike of brightest Cardinal Red bloom. Very good for mass planting; fine for cutting; hardy and prolific. Per 100, \$12.00.

## LYCHNIS (Campion or Catchfly)

An artistic perennial which has been cultivated for centuries in some parts of the world. Noted for its brilliantly colored flower heads and extreme hardiness. Ideal for lively color in your border during late summer and early autumn.

**Chalcedonica (Maltese Cross).** Vivid scarlet flowers in flat heads come over a long blooming period. Just the plant for bright spots of color in your garden. Grows  $2\frac{1}{2}$  feet high. Very hardy and easy to grow. Per 100, \$16.00.

## MYOSOTIS (Forget-me-not)

Most people are familiar with these dainty flowering Forget-me-nots which bring so much beauty and charm to the spring landscape. Delightful for the rockery, for walk edging or around the pool.

**Alpestris.** Grows only 12 inches tall and universally loved for its tiny clear blue flowers in early spring. Per 100, \$12.00.

## Field Grown

## HARDY PHLOX

BEST OF AMERICA'S FAVORITE VARIETIES  
COLORFUL NEW INTRODUCTIONS  
WILL BLOOM THIS SUMMER

These are one-year well rooted field grown plants. The best size for transplanting.

**Africa.** The favorite deep red. Good grower and sure, heavy bloomer. Per 100, \$15.00.

**Aetna.** Excellent new variety which is highly resistant to rust. Tall strong grower and of superb deep scarlet color. Per 100, \$15.00.

**Blue Boy.** Near blue color with violet cast. Per 100, \$15.00.

**Charles Curtis.** Brilliant cherry red. Very showy. Per 100, \$18.00.

**Count Zeppelin.** Very strong grower and free flowering. Large white blooms with vivid bright red eye. Per 100, \$15.00.

**Daily Sketch.** One of the best introductions of recent years. Immense flowers of light salmon pink with carmine eye. Per 100, \$15.00.

**Dr. Klemm.** Large trusses of white with diffused violet eye. Per 100, \$15.00.

**E. I. Farrington.** A Phlox of distinctive beauty. Flower trusses are extremely large and color is a delightful salmon shade with slightly darker eye. Per 100, \$15.00.

**Ethel Pritchard.** Rich lavender which blends well with other colors. Per 100, \$15.00.

**Flash.** Rich dark crimson with orange-scarlet center. Per 100, \$15.00.

**July Lights.** A brilliant carmine red with blood red eye. Per 100, \$15.00.

**Mary Louise.** A new white. One of the best growers; blooms profusely. Large flower heads and florets. Per 100, \$18.00.

**Moonlight Dream.** Large trusses of rich creamy white. Medium grower. Per 100, \$15.00.

**Mia Ruys.** A dwarf variety which bears large heads of pure white. Per 100, \$15.00.

**Prime Minister.** Clear pure white, brilliant red center. Per 100, \$15.00.

**Rosea Superba.** Magnificent flower heads of glowing rosy-pink. Per 100, \$18.00.

**Royal Purple.** Large flower heads of rich satiny purple on strong stems. Individual florets are large with uniformly good color. Excellent dark green foliage. Per 100, \$15.00.

**Salmon Beauty.** Rich salmon-pink with white eye. Per 100, \$15.00.

**Starlight.** Beautiful pastel lavender-orchid color with white center marking. Large flower heads and florets. Strong grower. Per 100, \$15.00.

**Thor.** Deep salmon-pink with a peculiar scarlet color tone. A prolific bloomer and strong grower. Per 100, \$15.00.



## Perennial Plant Specialties—Continued

## PACHYSANDRA

**Terminalis.** 2½ in. pots. Per 100, \$12.00.

## PHYSALIS (Chinese Lanterns)

An attractive perennial noted for its large, showy, lantern-shaped fruits which turn a bright red when ripe. Especially desirable for drying for winter decoration. Per 100, \$14.00.

## PLATYCODON (Balloon Flower)

**Early Giant Blue.** Large flowering and extra rich in color. One of the most showy and unique of garden flowers. Odd balloon-like buds open into bell shaped blooms. Very hardy and will grow under adverse conditions. Grows 2 feet high. Per 100, \$12.00.

## POLYGONATUM

**Multiflorum.** Per 100, \$18.00.

## PYRETHRUM (Painted Daisies)

No other perennial flower seems to have the general usefulness, beauty, color, hardiness and easy culture that belongs to these gorgeous flowers. Foliage is fernlike and ornamental. Stems are strong and erect. Plants transplant easily and each one produces a liberal number of blooms during the season.

**Robinson's Mixed.** Finest strain of painted daisies, in mixed colors. A really great new strain. We think so much of it that we have discontinued growing any of the others. Per 100, \$18.00.

## RUDBECKIA (Cone Flower)

For tall backgrounds in the hardy perennial border these plants are indispensable.

**Purpurea.** The best known Rudbeckia. Rosy reddish purple petals with high cone-shaped center of dark brown. Three to four foot stems are rugged and withstand high winds. Blooms from July until frost. 3 to 4 ft. Per 100, \$14.00.

## SALVIA (Meadow Sage)

**Azurea Grandiflora.** A species from the Rocky Mountains. Stems are 3 to 4 feet high and willowy. During the early Autumn pale blue flowers are produced in almost unbelievable profusion. Ideal for color in the perennial border. Keep well when cut. Per 100, \$12.00.

## SHASTA DAISY

One of the most widely known and used of all the hardy perennials. Constant improvements and the introduction of new strains have made them one of the most beautiful and sure-to-grow plants that you can have in your garden. Always showy in mass plantings and equally desirable as cut flowers.

**Alaska.** The best known variety. Improvements in the strain now results in longer, stronger stems and larger flowers. They are exceptionally free flowering, producing blooms of large size with large golden centers, all through the summer and fall. Grows about 2½ feet tall. Very vigorous. Per 100, \$12.00.

**Diener's Double Fringed White.** Tall growing with strong stems and immense white blooms which are nearly all double with a very attractive fringed edge. Per 100, \$16.00.

## STATICE (Great Sea Lavender)

**Latifolia.** Grows in fine lace-like form with a profusion of misty purplish-blue blossoms. May be cut and dried for winter bouquets. Unexcelled for filler in floral arrangements. Grows 18 inches high. Per 100, \$12.00.

## STOKESIA

Rich green ornamental foliage from which 12-inch stems arise each topped by an exquisite, aster-like bloom with finely divided petals. Prefer a sheltered location.

**Cyanea, Blue.** An excellent cutting variety. Flowers are clear azure blue in color. Plants begin blooming in July. Per 100, \$14.00.

## TRITOMA (Red Hot Poker)

**Pfitzeri.** A very spectacular plant with foliage resembling that of the Yucca. Twenty-four inch stems, each topped with a large cone-shaped spike of dazzling orange. Make a brilliant color display for the Autumn garden. Field Grown, Transplanted Plants. Per 100, \$19.00.

## VALERIANA (Garden Heliotrope)

**Coccinea Rubra.** Bright red flower heads are borne in abundance on 12 inch stems all through the summer months. Rich green foliage is ornamental and adds to the beauty of the plant. Thrive in rich soil in full sun. Per 100, \$12.00.

## VERONICA (Speedwell)

**Longifolia.** Reaches height of about 30 inches and is a beautiful sight in July and August with its long spire-like spikes of deep blue. Per 100, \$16.00.

## VAUGHAN'S DAHLIAS



In Vaughan's Gardening Illustrated are listed a number of newer varieties that are not listed in this catalogue. If interested in getting any of these, the trade is offered a discount of 25% on all varieties listed in Vaughan's Gardening Illustrated. This does not apply to any Special Offers listed therein; on these we offer a discount of 15%.

In the following list we offer varieties that we can supply in tubers of suitable size for planting. We advise early ordering to prevent disappointment in case the variety selected should be sold out.

**KEY TO ABBREVIATIONS.** F.D., Formal Decorative; I.D., Informal Decorative; S.C., Semi-Cactus; Str. C., Straight Cactus. \*—Good cut flower varieties.

	10	100
* <b>AVALON.</b> (I.D.) Clear yellow. Large flowers on long stems..	\$2.70	\$25.00
<b>FLORIST WHITE.</b> (F.D.) Pure white, fine form. Good grower * with long stems.....	2.70	25.00
<b>GALLANT FOX.</b> (F.D.) A commercial red. Its keeping qualities, sturdy stem and fine color make it a valuable sort.....	2.20	20.00
<b>JANE COWL.</b> (I.D.) A large flower of a warm buff and old * gold blending to a bright salmon at the center.....	3.00	27.50
<b>JERSEY'S BEACON.</b> (F.D.) Chinese scarlet with a paler reverse, giving a two-toned effect.....	3.00	27.50
<b>JERSEY'S BEAUTY.</b> (F.D.) The most popular Dahlia. Lavender-pink. Fine stem and foliage.....	2.70	25.00
<b>JERSEY'S DAINTY.</b> (Str.C.) Fine formed white of medium size with fine stems.....	3.00	27.50
<b>MRS. GEO. LE BOUTILLIER.</b> (I.D.) A rich velvety carmine * giant in size and outstanding in all respects.....	2.70	25.00
<b>MRS. I. de VER WARNER.</b> (F.D.) Large flowers of deep * mauve-pink. Can be grown to a diameter of 11 inches.....	2.20	20.00
<b>MRS. JAMES ALBIN.</b> (F.D.) A clear yellow with fine formal blooms on strong stems.....	2.70	25.00
<b>MYRA HOWARD.</b> (I.D.) A combination of yellow and gold with tints of salmon.....	2.70	25.00
<b>ROSE GLORY.</b> (F.D.) Pure deep rose-pink. Free and early bloomer with good stems.....	2.70	25.00
<b>WATCHUNG GIANT.</b> (I.D.) A large Yellow Gold variety that has the qualities of a good Dahlia. Strong grower. Strong stems, fine shape, free bloomer and good root maker.....	2.70	25.00

<b>WHITE KING.</b> (F.D.) A pure white large-flowering Dahlia of * fine form and substance with strong stems.....	10	100
<b>WHITE WONDER.</b> (I.D.) A truly white Fort Monmouth. The * giant blooms are pure white with long twisted and curled petals.....	\$2.70	\$25.00
	3.00	27.50

## \*MINIATURE DAHLIAS

<b>BISHOP OF LLANDORF.</b> (Peo.) Bright scarlet with deep garnet center. Lacy foliage of reddish bronze.....	2.70	25.00
<b>LANNIE.</b> (F.D.) Deep yellow of compact formation on long stems. Very free bloomer.....	2.70	25.00
<b>LILLIE BELLE.</b> (F.D.) Very fine appleblossom pink. Fine bush growth and good stems.....	3.50	30.00
<b>ORANGE GLORY.</b> (F.D.) Fine autumnal shade of bright orange.....	2.70	25.00
<b>PAULA.</b> (F.D.) Clear lilac an unusual shade.....	2.70	25.00
<b>WHITE GARDENIA.</b> (F.D.) Waxy white with fine shaped flowers.....	3.50	30.00

## POMPON DAHLIAS

<b>CLARISE.</b> Two-toned orange combination. A fine variety.....	2.20	20.00
<b>CORAL GLOW.</b> Fine pink and gold blend.....	2.20	20.00
<b>EDITH MUELLER.</b> A bright soft apricot suffused peach red. Much in demand as cut flower.....	2.20	20.00
<b>JOE FETTE.</b> Leading white variety medium size flowers on low bush.....	2.20	20.00
<b>MILLER RED.</b> A fine bright scarlet.....	2.20	20.00
<b>MISS ALMA.</b> Lavender and white. A good combination.....	2.20	20.00
<b>MORNING MIST.</b> White tipped lavender very free bloomer with fine long stems.....	2.20	20.00
<b>YELLOW GEM.</b> A fine deep yellow of fine form and good stems. A leading cut flower variety.....	2.20	20.00

## BOOKS FOR FLORISTS

All Books Postpaid

## WOMAN'S HOME COMPANION GARDEN BOOK

Sets a new high standard of value and usefulness for gardeners everywhere. Edited by JOHN C. WISTER, Director of the Arthur Hoyt Scott Horticultural Foundation and the John Tyler Arboretum in Pennsylvania. Specific chapters written by 50 horticultural experts. A complete guide to every phase of planning and cultivating flowers, vegetables, shrubs, trees, lawns and vines, with specific directions for the six temperate zones found in North America. Packed with illustrations. 24 full pages in gorgeous natural color. 50 full page photographs. 200 line drawings. Over 1000 pages. Postpaid..... \$4.95

**10,000 GARDEN QUESTIONS.** F. F. Rockwell, editor. Answered by 15 experts. Real questions from real amateurs, with brief, authoritative answers. Among them you will find the solutions to your problems. . . Helpful diagrams and illustrations supplement the text. . . A quick-action index places all the information at your finger tips. 1467 pages. Hundreds of specially drawn illustrations..... \$4.95

**GARDEN FLOWERS IN COLORS.** By Daniel J. Foley. The 350 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages..... \$2.95

**MODERN FARMER'S CYCLOPEDIA OF AGRICULTURE.** By Earley Vernon Wilcox. This book contains detailed directions for the culture of every important field, orchard and garden crop, grown in America together with descriptions of their chief insect pests and fungus disease and remedies for their control. It contains an account of modern methods in feeding and handling all farm stock including Poultry, Farm Manures, Fertilizers, Principles of Feeding, Feeding value of crops and feeds and Dairy Farming. Illustrated. 511 pages. Price..... \$4.50

# Ornamental and Flowering Shrubs

**Warning**—Prices on all nursery stock subject to change without notice. 5 plants of one kind supplied at 10 rate. 30 plants of one kind supplied at 100 rate.



**EUONYMUS Alatus Compacta**



**PHILADELPHUS Virginalis**



**ELSHOLTZIA Stauntoni**

**O**UR shrubs are nursery-grown and are transplanted every two or three years. They are nice, shapely bushes with plenty of good fibrous roots, and are such plants as are in demand by the first class retail trade. They should not be compared to stock that is never moved from the cutting or seeding beds until sold.

Our Nursery is located at Western Springs, 15 miles west of Chicago, on the C. B. & Q. R. R., two blocks south of 47th Street, on Wolf Road.

Visitors are invited to inspect our stock at any time. We have a choice lot of specimens such as are not usually seen. Our customers will be pleased with the class of stock we send them.

**Shipping Directions:** All stock is sold F. O. B. Western Springs. Packing charges to be added on all orders for shrubs, dormant roses, fruits, trees, evergreens, and vines, at cost. Always give full explicit shipping directions, as our responsibility ends on delivery to the express or freight office in good condition. **All trees, shrubs and plants shipped subject to customer assuming risk regarding his own State Nursery Inspection Regulations. Certificate furnished with each shipment.**

Where personal selection of stock is made at our Nursery we charge according to its value.

	Each	10	100
ACANTHOPANAX Pentaphyllum. 3 to 4 ft.....	\$0.60	\$5.50	\$45.00
4 to 5 ft.....	.70	6.00	50.00
ALMOND. See Prunus glandulosa.			
ALTHEA. See Hibiscus.			
BERBERIS Mentorensis. (Patent No. 99) (New			
Evergreen Barberry). 18 to 24 in.....	.85	7.50	62.50
Thunbergi (Green-leaved Barberry). 18 to 24 in....	.50	4.00	35.00
Thunbergi Atropurpurea (Red-leaved Barberry).			
18 to 24 in.....	.60	5.00	45.00
2 to 2½ ft.....	.75	6.50	60.00
BUDDLEIA (Butterflybush or Summer Lilac).			
Charming. (Pink). Field grown.....	.60	4.50	40.00
Dubonnet (New Red). Field grown.....	.60	4.50	40.00
Orchid Beauty. Field grown.....	.60	4.50	40.00
Royal Purple. Field grown.....	.60	4.50	40.00
CALYCANTHUS Floridus (Sweet Shrub). 18 to 24 in.	.70	6.00	.....
CHIONANTHUS Virginica (White fringe tree).			
3 to 4 ft.....	.90	8.00	.....
CORNUS Alba Sibirica (Siberian Redtwig Dogwood).			
2 to 3 ft.....	.50	4.00	35.00
3 to 4 ft.....	.60	5.00	45.00
Stolonifera Flaviramea (Goldentwig Dogwood).			
3 to 4 ft.....	.70	6.00	.....
COTONEASTER Acutifolia (Peking Cotoneaster)...			
3 to 4 ft.....	.80	7.50	.....
Divaricata (Spreading C). 2 to 3 ft.....	.80	7.50	.....
CYDONIA Japonica (Japanese Quince). 18 to 24 in....	.50	4.50	40.00
ELSCHOLTZIA Stauntoni (Heathermint). 18 to 24 in..	.70	6.00	.....
EUONYMUS Alatus (Burning Bush).			
2 to 3 ft.....	1.25	10.00	.....
3 to 4 ft.....	1.65	15.00	.....
4 to 5 ft.....	2.50	22.50	.....
5 to 6 ft.....	3.50	.....	.....
Alatus Compacta.			
2 to 2½ ft.....	1.50	12.50	.....
2½ to 3 ft.....	2.00	17.50	.....
3 to 3½ ft.....	2.50	.....	.....
Europaeus (European Burning Bush). 5 to 6 ft....	1.00	9.00	.....
6 to 7 ft.....	2.00	17.50	.....
EUONYMUS Radicans Colorata (Purpleleaf Winter-			
creeper). 3 in. pots.....	.50	4.50	.....

	Each	10	100
Radicans Vegetus (Bigleaf Winter Creeper).			
12 to 15 in. 3½ in. pots.....	\$1.35	\$12.50	.....
FORSYTHIA (Goldenbell)			
Intermedia Spectabilis. 3 to 4 ft.....	.60	5.00	\$45.00
Spring Glory. 2 to 3 ft.....	.90	7.50	.....
HAMAMELIS Vernalis (Winterblooming Witch-			
hazel). 2 to 3 ft.....	1.00	.....	.....
HIBISCUS Syriacus (Rose of Sharon). (Althea).			
Double Purple, Pink, Red or White. 3 to 4 ft.....	.60	5.00	40.00
HYDRANGEA Arborescens Grandiflora			
(Snowball H.) 18 to 24 in.....	.70	6.00	.....
Opuloides (Blue H). 2 yr.....	1.00	9.50	.....
Paniculata Grandiflora. 18 to 24 in.....	.65	6.00	.....
Quercifolia (Oakleaf H.) 18 to 24 in.....	1.00	9.00	.....
KERRIA Japonica flore pleno. 18 to 24 in.....	.80	7.50	.....
KOLKWITZIA Amabilis (Beautybush). 2 to 3 ft.....	1.00	9.00	.....
LIGUSTRUM Amurense (Amur Privet, North).			
18 to 24 in., 3 canes up.....	2.00	18.00	.....
2 to 3 ft.....	3.00	27.50	.....
3 to 4 ft. heavy.....	4.00	35.00	.....
Ibota Regelianum (Regel's Privet) 18 to 24 in.....	.50	4.00	35.00
Chinese Elm Hedging—See Ulmus Pumila under			
Trees, page 62.			
LILAC. See Syringa.			
LONICERA (Bush Honeysuckle).			
Bella Albida (White Belle H.) 3 to 4 ft.....	.50	4.50	.....
4 to 5 ft.....	.60	5.00	.....
Fragrantissima (Winter Honeysuckle) 3 to 4 ft.....	.60	5.00	40.00
4 to 5 ft.....	.70	6.00	50.00
Korolkowi Zabeli (True Red Honeysuckle).			
2 to 3 ft.....	.60	5.00	45.00
3 to 4 ft.....	.65	6.00	50.00
Tatarica Rosea. 3 to 4 ft.....	.60	5.00	45.00
Tatarica Rubra. 3 to 4 ft.....	.60	5.00	50.00
PHILADELPHUS—Mockorange.			
Coronarius. 4 to 5 ft.....	.65	5.50	45.00
5 to 6 ft.....	.75	6.00	50.00

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All Prices are F. O. B. Our Nurseries, Western Springs, Ill.

## PHILADELPHUS—Continued.

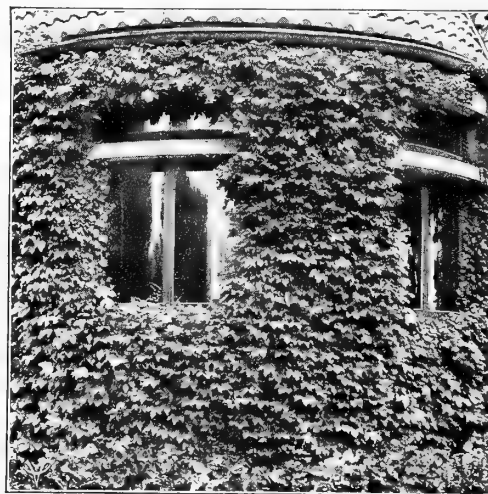
	Each	10	100
<b>Grandiflorus.</b> 3 to 4 ft. ....	\$0.60	\$5.00	\$40.00
4 to 5 ft. ....	.65	5.50	45.00
5 to 6 ft. ....	.75	6.00	50.00
<b>Lemoinei.</b> 2 to 3 ft. ....	.60	5.00	45.00
3 to 4 ft. ....	.70	6.00	50.00
<b>Virginalis.</b> 2 to 3 ft. ....	.75	6.50	60.00
3 to 4 ft. ....	1.00	8.50	75.00
4 to 5 ft. ....	1.25	10.00	.....
<b>PHYSOCARPUS Monogynus</b> (Dwarf Ninebark). 3 to 4 ft. ....	.60	5.00	45.00
<b>Opulifolius</b> (Common Ninebark). 4 to 5 ft. ....	.60	5.50	45.00
5 to 6 ft. ....	.70	6.00	50.00
<b>PRUNUS Besseyi</b> (Hansen's Improved Bush Cherry). 2 to 3 ft. ....	.60	4.50	40.00
<b>PRUNUS Glandulosa</b> (Flowering Almond). Sinensis (Double Pink). 2 to 3 ft. ....	.85	7.50	.....
Other varieties. See Trees, page 62.			
<b>RHAMNUS Frangula</b> (Glossy Buckthorn). 3 to 4 ft. ....	.60	5.00	45.00
<b>RHODOTYPOS Kerrioides</b> (Jetbead). 2 to 3 ft. ....	.60	5.50	.....
<b>RHUS Canadensis</b> (Fragrant Sumac). 2 to 3 ft. ....	.50	4.50	.....
<b>ROSA. Hugonis.</b> 2 year. ....	.80	6.50	.....
Rugosa F. J. Grootendorst. 2-year. ....	.80	7.00	.....
Rugosa Hansa. 2-year. ....	.75	6.00	.....
Rugosa Belle Poitevine. 2 year. ....	.75	6.00	.....
Rugosa. Pink' Grootendorst. 2 year. ....	.90	7.50	.....
<b>SALIX Discolor</b> (Pussy Willow). 3 to 4 ft. ....	.60	5.50	.....
<b>Purpurea Nana</b> (Dwarf Blueleaf Arctic Willow). 12 to 18 in. ....	.50	3.00	27.50
<b>SPIRAEA Arguta.</b> 3 to 4 ft. ....	.60	5.00	45.00
<b>Bumalda Froebeli.</b> 18 to 24 in. ....	.50	4.00	35.00
24 to 30 in. ....	.60	5.00	40.00
<b>Macrothyrsa</b> (Improved Billardi S). 2 to 3 ft. ....	.75	6.00	55.00
<b>Van Houttei</b> (Bridalwreath). 2 to 3 ft. ....	.40	3.50	30.00
3 to 4 ft. ....	.50	4.50	40.00
<b>SYMPHORICARPOS. Chenaulti.</b> 2 to 3 ft. ....	.50	4.00	35.00
3 to 4 ft. ....	.60	5.00	45.00
<b>Racemosus</b> (Snowberry). 2 to 3 feet. ....	.40	3.00	25.00
3 to 4 feet. ....	.50	4.00	35.00
<b>SYRINGA</b> (Lilac). Japonica. 2 to 3 ft. ....	.85	7.50	.....
3 to 4 ft. ....	1.00	9.00	.....
<b>Persian Purple.</b> 2 to 3 ft. ....	.60	5.50	50.00
3 to 4 ft. ....	.80	7.00	65.00
<b>Vulgaris Purpurea.</b> 2 to 3 ft. ....	.60	5.00	40.00
3 to 4 ft. ....	.70	6.00	.....
<b>TAMARIX Hispida.</b> 3 to 4 ft. ....	.75	6.00	.....
<b>VIBURNUM Burkwoodi</b> (Gardenia-Scented Snowball). 18 to 24 in. ....	2.00	17.50	.....
<b>Dentatum.</b> (Arrowwood). 2 to 3 ft. ....	.50	4.00	35.00
3 to 4 ft. ....	.60	5.00	45.00
<b>Fragrans.</b> 2 to 3 ft. B. & B. ....	2.50	.....	.....
3 to 4 ft. B. & B. ....	3.50	.....	.....
<b>Lentago.</b> (Nannyberry). 3 to 4 ft. ....	.65	5.50	.....
4 to 5 ft. ....	.75	6.50	.....
<b>Opulus.</b> (Cranberrybush). 3 to 4 ft. ....	.75	6.50	60.00
4 to 5 ft. ....	.90	7.50	.....
<b>Opulus Sterile.</b> (Snowball). 3 to 4 ft. ....	.75	6.50	.....
4 to 5 ft. ....	.90	7.50	.....
<b>VITEX Macrophylla.</b> 18 to 24 in. ....	.65	5.00	.....
<b>ULMUS Pumila,</b> Chinese Elm Hedging—See Trees.			
<b>WEIGELA. Bristol Ruby</b> (Patent Number 492). 18 to 24 in. ....	1.00	8.50	.....
Rosea. 3 to 4 ft. ....	.75	6.50	.....



SPIRAEA BUMALDA Froebeli

# Hardy Vines

	Each	10	100
<b>AMPELOPSIS Engelmani.</b> A hardy and quick-growing, self-clinging vine. 2-year. ....	\$0.50	\$3.50	\$30.00
<b>Veitchi (Boston Ivy).</b> The grandest hardy climbing vine that clings tightly to stone or brick. Good glossy green leaves, three-lobed. 2-year No. 1. ....	.50	4.00	35.00
<b>ARISTOLOCHIA Siphon</b> (Dutchman's Pipe). A vigorous climber with large heart shaped leaves. Thrives in sun or shade. 2-year grafted. ....	1.35	12.50	.....
<b>BIGNONIA Radicans.</b> Showy trumpet-shaped flowers of brilliant orange-scarlet. 2-year. ....	.50	3.75	35.00
<b>Mme. Gallen.</b> More dwarf than above, but has immense flower clusters. 2-year, grafted. ....	.75	6.50	.....
<b>CELASTRUS Scandens</b> (American Bittersweet). Hardy climber, with orange-capsuled fruit in autumn. 2-year. ....	.50	4.00	35.00
<b>CLEMATIS—Small-Flowering-Paniculata.</b> The finest small-flowering Clematis. Pure white, deliciously fragrant flowers. September. 2-year. ....	.50	4.50	.....
<b>CLEMATIS—Large-Flowering.</b> Henryi, single white; Jackmani, rich deep purple; Mme. Ed. Andre, wine-red; Ramona, blue. 2-year No. 1. ....	.75	6.50	.....
Henryi, Jackmani or Mme. Ed. Andre. 2½-inch pots. ....	.50	4.50	40.00
<b>Comtesse de Bouchaud</b> (New). Satiny rose. 2-yr. ....	.85	7.50	.....
<b>Crimson King</b> (New). Bright Red. 2-year. ....	.85	7.50	.....
<b>Lord Neville</b> (New). Rich velvety violet-purple. 2-yr. ....	.85	7.50	.....
<b>Nelly Moser.</b> (New). Pale mauve with a red bar on each petal. 2-year. ....	1.00	9.00	.....
<b>Prins Hendrik.</b> Azure-blue. 2-year. ....	1.25	11.50	.....
<b>CLEMATIS. Duchess of Albany</b> (New). Pink trumpet-shaped flowers about 3½ to 4 inches long. 2-year. ....	1.25	11.50	.....
<b>HEDERA Helix Baltica</b> (Hardy English Ivy). Excellent ground cover. 2½ in. pots. ....	.40	3.00	20.00
<b>HYDRANGEA Petiolaris.</b> (Climbing H.). 3 in. pots. ....	1.35	.....	.....
<b>LONICERA—Honeysuckle, Heckrotti.</b> Flowers dark red and creamy yellow. 2-year. ....	.60	5.50	.....
<b>Japonica Halliana</b> (Hall's Honeysuckle). Very fragrant pure white flowers changing to yellow. 2-year. ....	.40	3.00	25.00
<b>POLYGONUM Auberti.</b> Fast growing vine, producing foamy masses of white flowers in late summer. 2-year. ....	.65	5.50	45.00
<b>PUERARIA Thunbergiana</b> (Kudzu Vine). No. 1. ....	.40	3.00	25.00
<b>WISTARIA.</b> Multijuga Floribunda Rosea (Pink Japanese Wistaria). No. 1. ....	.90	7.50	.....
<b>Sinensis Alba.</b> Pure white flowers. 2-year grafts. ....	.80	7.00	.....
<b>Sinensis Purpurea.</b> Flowers purple, 2-year grafts. ....	.80	7.00	.....



AMPELOPSIS Veitchi (Boston Ivy).

Please Tell Us How to Ship. We Express Unless Otherwise Instructed.  
All Prices are F. O. B. Our Nurseries, Western Springs, Ill.

# Ornamental and Shade Trees



AMERICAN ELM, MOLINE TYPE

All our trees are nursery grown and are one or more times transplanted.

	Each	10
<b>ACER</b> <i>Dasycarpum</i> (Silver Maple).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	\$2.75	\$22.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	3.25	30.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....	3.75	35.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....	4.25	40.00
<b>Platanoides</b> (Norway Maple). 8 to 10 ft. whips.....	2.25	20.00
8 to 10 ft., 1 to 1 1/4 in. caliper.....	4.00	37.00
10 to 12 ft., 1 1/4 to 1 1/2 in. caliper.....	5.00	46.00
<b>Platanoides</b> <i>Columnare</i> (Columnar Norway Maple).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	4.70	44.00
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	6.75	63.75
<b>AESCULUS</b> <i>Pink Flowering Horsechestnut</i> .		
5 to 6 ft. whips.....	4.00	.....
<b>BETULA</b> .		
<b>Alba</b> (European White Birch).		
8 to 9 ft.....	3.25	30.00
8 to 10 ft., 1 to 1 1/4 in. caliper.....	4.00	37.50
<b>Pendula</b> <i>Gracilis</i> (Cutleaf Weeping Birch). 8 to 9 ft.....	5.00	.....
<b>CELTIS</b> <i>Occidentalis</i> (Hackberry).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	2.85	26.00
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	3.35	31.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....	4.25	40.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....	4.90	46.75
<b>CERCIS</b> <i>Canadensis</i> (American Redbud).		
3 to 4 ft.....	1.50	13.50
<b>CRATAEGUS</b> (Hawthorn).		
<b>Carrieri</b> . 4 to 5 ft.....	2.25	20.00
5 to 6 ft.....	3.00	27.50
6 to 7 ft.....	4.00	37.50
6 to 7 ft., 1 1/4 to 1 1/2 in. caliper, B. & B.....	8.75	.....
7 to 8 ft., 1 1/2 to 1 3/4 in. caliper, B. & B.....	10.00	.....
7 to 8 ft., 1 3/4 to 2 in. caliper, B. & B.....	12.50	.....
8 to 10 ft., 2 to 2 1/2 in. caliper, B. & B.....	15.00	.....
<b>Coccinea</b> (Thicket Hawthorn). 6 to 7 ft.....	4.00	37.50
6 to 7 ft., 1 1/4 to 1 1/2 in. caliper B. & B.....	8.75	.....
<b>Cordata</b> . 8 to 10 ft., spec. 1 1/2 to 1 3/4 in. B. & B.....	10.00	.....
10 to 12 ft., 1 3/4 to 2 in. caliper, B. & B.....	12.50	.....
10 to 12 ft., specimens, 2 to 2 1/2 in. caliper, B. & B.....	15.00	.....
<b>Crusgali</b> . 5 to 6 ft.....	3.75	35.00
6 to 7 ft.....	4.50	42.50
6 to 7 ft., 1 1/2 to 1 3/4 in. caliper, B. & B.....	10.00	.....
7 to 8 ft., 1 3/4 to 2 in. caliper, B. & B.....	12.50	.....
8 to 10 ft., 2 to 2 1/2 in. caliper, B. & B.....	15.00	.....
<b>Oxyacantha</b> <i>Splendens</i> . (Paul's Dbl. Scarlet Hawthorn).		
4 to 5 ft. branched.....	3.50	32.50
<b>FRAXINUS</b> <i>Americana</i> (American White Ash).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	2.35	21.00
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	2.70	25.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....	3.00	27.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....	3.50	33.25
<b>GINKGO</b> <i>Biloba</i> . 6 to 8 ft., 3/4 to 1 in. caliper.....	4.00	37.50
7 to 8 ft., 1 to 1 1/4 in. caliper.....	5.25	50.00
<b>GLADITSIA</b> <i>Triacanthos</i> (Honeylocust).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	2.35	21.00
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	3.00	27.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....	3.70	34.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....	4.35	40.50
<b>GLADITSIA</b> <i>Triacanthos Inermis</i> (Thornless Honeylocust). 8 to 10 ft., 1 to 1 1/4 in. caliper.....	2.85	26.00
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	3.35	31.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....	4.00	37.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....	4.70	44.00
12 to 14 ft., 2 to 2 1/4 in. caliper.....	6.00	.....

	Each	10
<b>MAGNOLIA</b> .		
<b>Soulangiana</b> .		
2 to 3 ft., B. & B.....	6.50	.....
3 to 4 ft., B. & B.....	8.50	.....
4 to 5 ft., B. & B.....	10.00	.....
<b>Soulangiana</b> <i>Lennei</i> (Lenne M.).		
3 to 4 ft., B. & B.....	8.50	.....
4 to 5 ft., B. & B.....	10.00	.....
<b>Stellata</b> (Halleana) (Star M.). 2 to 2 1/2 ft., B. & B.....	8.00	.....
<b>MALUS</b> (Flowering Crab Apples).		
<b>Hopa</b> (Hopa Crab), Eleyi. 4 to 5 ft.....	1.50	12.50
<b>Atrosanguinea</b> , 6 to 8 ft., 1 1/4 to 2 in. caliper, specimens, B. & B.....	12.50	.....
<b>Atrosanguinea</b> . 6 to 8 ft., 2 to 2 1/2 in. caliper, specimens, B. & B.....	15.00	.....
<b>Atrosanguinea</b> , Eleyi, <i>Floribunda</i> . 2 1/2 in. caliper, B. & B.....	18.50	.....
<b>loensis Plena</b> (Bechtel's Dbl. Flowering Crab).		
3 to 4 ft.....	1.90	17.50
4 to 5 ft.....	2.50	22.50
<b>PRUNUS</b> .		
<b>Newport</b> (Purple-leaved Plum). 2 to 3 ft.....	1.00	9.00
4 to 5 ft.....	2.20	.....
<b>Tomentosa</b> (New Nanking Cherry).		
3 to 4 ft. from seed.....	.85	7.50
<b>Triloba</b> (Double Flowering Plum). 3 to 4 ft.....	1.35	12.50
<b>SALIX</b> <i>Niobe</i> (Niobe Weeping Willow). 8 to 10 ft.....	2.50	23.00
<b>TILIA</b> (Linden).		
<b>Cordata</b> (Littleleaf European Linden).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	3.00	27.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	3.70	34.00
8 to 10 ft., 1 1/2 to 1 3/4 in. caliper.....	4.35	40.50
8 to 10 ft., 1 3/4 to 2 in. caliper.....	5.35	50.00
10 to 12 ft., 2 to 2 1/4 in. caliper.....	7.50	70.00
10 to 12 ft., 2 1/4 to 2 1/2 in. caliper.....	8.75	.....
<b>Platyphyllos</b> <i>Pyramidalis</i> (Pyramidal European Linden).		
1 1/2 to 1 3/4 in. caliper, low branched specimens, B. & B.....	14.00	.....
10 to 12 ft., 2 to 2 1/4 in. caliper, low branched specimens, B. & B.....	17.50	.....
<b>ULMUS</b> (Elm). 4 varieties.		
<b>Americana</b> (American Elm); <b>Amer. Molini</b> (Amer. Moline Elm); <b>Amer. Urni</b> (Amer. Vase-Shaped Elm); <b>Pumila</b> (Chinese Elm).		
8 to 10 ft., 1 to 1 1/4 in. caliper.....	2.90	28.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....	3.50	33.25
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....	4.25	40.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....	4.70	44.00
<b>Pumila</b> —Chinese Elm Hedging.		
2 to 3 ft. seedling, not transplanted..... per 100	\$7.50	1.00
All prices f.o.b. our nursery, Western Springs, Ill. Subject to change without notice.		
All trees personally selected in our nursery will be charged for according to their value.		

## Polyantha Roses

Price of the following: XXX grade. \$7.00 for 10, \$60.00 for 100; \$145.00 for 250; \$280.00 for 500; \$550.00 for 1,000.

**Gloria Mundi**. Double, lasting, glowing orange-scarlet in large clusters.  
**Triomphe Orleansais**. Brilliant cherry-red, lasting in color; blooms profusely in trusses; vigorous and erect with bright glossy green foliage. Considered the finest of red Polyanthas.

## Hybrid Tea Roses

**Mrs. E. P. Thom**. Perfectly shaped flowers of bright canary yellow.  
**The Doctor**. Long pointed buds open to enormous blooms of glowing rosy pink. The above two varieties and the varieties listed below with a ★ are available in a 2 yr. No. 1 1/2 grade at 65c each; \$6.00 per 10, \$50.00 per 100.

Prices of the following: 2 year No. 1, Each 75c; \$7.00 per 10, \$60.00 per 100.  
**Betty Upchurch**. Soft salmon-pink stained with orange-carmine.  
★ **Christopher Stone**. Brilliant, velvety scarlet blooms. Delicious fragrance.  
**Dainty Bess**. Single flowers of delicate rose-pink with wine-red stamens.  
**Duquesa de Penderanda**. Splendid blooms of coppery apricot.  
★ **Editor McFarland**. Perfectly formed buds of brilliant rose-pink.  
★ **Etoile de Hollande**. Brilliant dark red of perfect form. Very fragrant.  
**Girona**. Superb blooms of a red and yellow combination; very fragrant.  
**Golden Dawn**. Lemon yellow buds splashed carmine, large straw yellow flowers.  
★ **Joanna Hill**. Rich cream and yellow with yellow-orange heart. Excellent cut.  
**K. A. Viktoria**. Creamy buds developing slowly to perfect snowy white blooms.  
★ **McGredy's Yellow**. Cup-shaped flowers of light butter-cup yellow.  
★ **Mme. Jules Bouche**. Popular garden white, sometimes lightly tinted pink.  
★ **Mrs. Pierre S. Dupont**. Reddish gold buds; open flowers dark golden yellow.  
★ **Peter's Briarcliff**. Handsome flowers of silvery rose pink; excellent forcer.  
★ **Pres. Herbert Hoover**. Copper-red buds; flowers rich cream tinted cerise.  
**Pres. Macia**. Extra large buds of rich carmine-pink; flowers soft flesh pink.  
★ **Picture**. Velvety rose-pink with a warm salmon undertone.  
★ **Radiance**. Very popular bright rose-pink; very fragrant; vigorous.  
★ **Red Radiance**. Clear cerise-red form of Radiance.  
**Snowbird**. Profuse bloomer of very fragrant snow-white flowers.  
**Souv. de Claudius Pernet**. Long buds open to full blooms of rich yellow.  
★ **Talisman**. A remarkable blending of gold, apricot, yellow, pink and rose.  

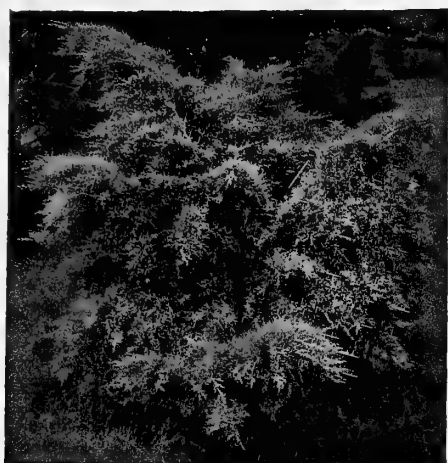
"Ask for list of Patented Roses"

## Climbing Roses

Prices of the following: 2 year No. 1, Each 75c; \$7.00 per 10, \$60.00 per 100.  
**Climbing American Beauty**. Rosy crimson flowers 3 to 4 inches across.  
**Mary Wallace**. Large flowers of bright clear rose-pink.  
★ **Paul's Scarlet Climber**. Good sized flowers of brilliant vivid scarlet.  
**Primrose**. Double flowers of soft primrose yellow in clusters of 4 or 5.  
★ This variety is available in No. 1 1/2 grade at 65c each, \$6.00 per 10, or \$50.00 per 100.  
All prices are f.o.b. Western Springs, Ill., packing charges to be added at cost.



# Vaughan's Evergreens



**JUNIPERUS Chinensis Pfitzeriana**  
(Pfitzer Juniper) Best of All Evergreens

Prices listed, unless otherwise noted, include balling and burlapping.  
All our Evergreens are two or more times transplanted.

JUNIPERUS Chinensis Keteleeri. O. broad pyramidal form; green foliage.			
	Each	10	100
5½ to 6 ft.	\$10.50	\$100.00	
6 to 6½ ft.	12.00		
6½ to 7 ft.	13.50		
7 to 7½ ft.	14.50		
7½ to 8 ft.	17.50		
8 to 9 ft.	20.00		

## Chinensis Pfitzeriana (Pfitzer Juniper).

One of the best of all Junipers. Broad bushy habit. Thick, rich green foliage, giving feathery appearance.

18 to 24 in. spread	4.50	42.50	
2 to 2½ ft. spread	5.75	55.00	
2½ to 3 ft. spread	7.25	70.00	
3 to 3½ ft. spread	8.00		
5 to 5½ ft. spread	15.00		
5½ to 6 ft.	17.50		
6 to 6½ ft.	20.00		

Write for prices on larger sizes.

## Chinensis Pfitzeriana (Upright Pfitzer). These have been staked into an upright growing habit.

2½ to 3 ft.	8.00	75.00	
3 to 3½ ft.	9.50	90.00	
3½ to 4 ft.	11.50	110.00	

## Chinensis Pfitzeriana Compacta. A compact form of the popular Pfitzer Juniper. Has light gray green foliage. 3½ to 4 ft. Spread.

	10.00		
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## Horizontalis Plumosa (Andorra Juniper). Of low-spreading, irregular form with bright green foliage, reddish purple in fall.

2½ to 3 ft.	5.75		
3 to 3½ ft.	6.50	62.50	
3½ to 4 ft.	7.25	70.00	
4 to 4½ ft.	8.00	75.00	
4½ to 5 ft.	10.00		

## Sabina (Savin Juniper). Dark green foliage. Spreading, semi-erect branches.

2½ to 3 ft.	4.75	45.00	
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## Sabina Von Ehron. Semi-spreading, picturesque drooping branches, and very dark green foliage.

2 to 2½ ft.	4.00	37.50	
2½ to 3 ft.	4.75	45.00	
3 to 3½ ft.	5.75	55.00	

## Sabina Von Ehron-Upright. Staked form of above.

3 to 3½ ft.	6.00	57.50	
3½ to 4 ft.	6.75	65.00	

## Scopulorum Chandleri. (Chandler's Silver Juniper).

5 to 5½ ft.	9.00	85.00	
5½ to 6 ft.	11.00	105.00	
6 to 6½ ft.	13.50	130.00	
6½ to 7 ft.	15.00		

## JUNIPERUS—Continued

Scopulorum Gareei (Garee's Juniper)			
	Each	10	100
5 to 5½ ft.	\$10.00	\$95.00	
5½ to 6 ft.	11.75		
6 to 6½ ft.	13.50	130.00	

## Virginiana (Red Cedar). Tall-growing, of dense conical habit. Foliage dark green, bronze in winter.

5½ to 6 ft.	7.00	65.00	
6 to 6½ ft.	8.25	75.00	
6½ to 7 ft.	8.75	82.50	
7 to 8 ft.	9.75	92.50	
8 to 9 ft.	11.50	110.00	
9 to 10 ft.	13.50		
10 to 12 ft.	15.00		

## Virginiana Burki. Of compact pyramidal growth, dark steel blue foliage.

6 to 6½ ft.	12.00	115.00	
6½ to 7 ft.	13.75		
7 to 7½ ft.	15.00		
7½ to 8 ft.	17.50		
8 to 9 ft.	20.00		

## Virginiana Canaerti (Canaert Red Cedar). Rich, deep green foliage, heavily tufted.

4½ to 5 ft.	8.50	80.00	
5 to 5½ ft.	10.00	95.00	
5½ to 6 ft.	12.50		
6 to 6½ ft.	13.75		
6½ to 7 ft.	15.00		
7 to 7½ ft.	17.50		
7½ to 8 ft.	20.00		
8 to 9 ft.	22.50		
9 to 10 ft.	27.50		

## Virginiana Glauca (Silver Red Cedar). A form of the Red Cedar with silvery tinged foliage.

4 to 4½ ft.	7.50	70.00	
4½ to 5 ft.	8.50	80.00	
5 to 5½ ft.	10.00	95.00	
5½ to 6 ft.	11.00	105.00	
6 to 6½ ft.	12.00	115.00	
6½ to 7 ft.	13.75		
7 to 7½ ft.	15.00		
7½ to 8 ft.	17.50		
8 to 9 ft.	20.00		
9 to 10 ft.	22.50		

## Virginiana Hilli (Dundee Juniper). Of dense, conical form; foliage bluish gray green, fine plum color in fall and winter.

7 to 7½ ft.	17.50		
7½ to 8 ft.	20.00		
8 to 9 ft.	25.00		

## Virginiana Schottii (Schott Red Cedar). Fresh green foliage that does not change in winter.

4½ to 5 ft.	8.50	80.00	
5 to 5½ ft.	10.00	95.00	
5½ to 6 ft.	12.50		
6 to 6½ ft.	13.75		
6½ to 7 ft.	15.00		
7 to 7½ ft.	17.50		

## PACHYSANDRA Terminalis (Evergreen Spurge). Excellent groundcover for shady places. 2¼ inch pots.

	2.00	\$12.00	
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## PICEA.

### Canadensis Albertiana (Black Hill Spruce). A very hardy, compact-growing spruce with dark green foliage. 2½ to 3 ft.

	4.00	37.50	
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3 to 3½ ft.	4.75	45.00	
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### Excelsa (Norway Spruce). 2 to 2½ ft.

2½ to 3 ft.	2.50	22.50	
3 to 3½ ft.	3.25	30.00	
3½ to 4 ft.	3.75	35.00	
4 to 4½ ft.	4.25	40.00	

### Pungens (Colorado Green Spruce).

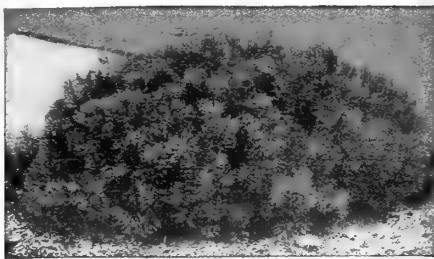
2 to 2½ ft.	4.75	45.00	
2½ to 3 ft.	5.25	50.00	
3 to 3½ ft.	5.75	55.00	
3½ to 4 ft.	7.25	70.00	
4 to 4½ ft.	8.50	80.00	

### Pungens Glauca (Colorado Blue Spruce). Selected blue. 2 to 2½ ft.

2½ to 3 ft.	5.75	55.00	
3 to 3½ ft.	7.25	70.00	
3½ to 4 ft.	8.50	80.00	
4 to 4½ ft.	10.50		
6 to 6½ ft.	23.00		
6½ to 7 ft.	25.00		

### Pungens Moerheimi (Moerheim Blue Spruce). Foliage of bright intense blue, grown from grafts. Superior to the Koster Blue Spruce.

8 ft.	50.00		
8½ ft.	55.00		
9 ft.	60.00		
10 ft.	70.00		
11 ft.	85.00		



PINUS Montana Mughus (Mugho Pine)

## EVERGREENS—Continued

	Each	10	100
<b>PINUS Montana Mughus (Mugho Pine).</b> A low-growing round topped evergreen, fine for rock planting and foundation work.			
15 in.....	\$2.50	\$22.50	
18 in.....	3.00	27.50	
2 ft.....	3.50	32.50	
2½ ft.....	4.50		
<b>TAXUS Cuspidata (Japanese Yew).</b> Rich dark green foliage; spreading bushy habit. Does best in shade.			
15 to 18 in.....	4.75	45.00	
18 to 24 in.....	5.75	55.00	
2 ft.....	7.00	67.50	
2½ ft.....	8.75	85.00	
3 ft.....	12.50	120.00	
3½ ft.....	15.00		
4 ft.....	20.00		
4½ ft.....	25.00		
5 ft.....	30.00		
<b>Cuspidata Capitata (Upright Japanese Yew).</b> Erect, symmetrical form of the above.			
18 to 24 in.....	6.25	60.00	
2 ft.....	7.00	67.50	
2½ ft.....	10.00		
3 ft.....	15.00		
3½ ft.....	20.00		
3½ ft. specimens.....	25.00		
<b>Hatfieldi (Hatfield Yew).</b> Broad, upright and compact.			
2 ft.....	7.25	70.00	
2½ ft.....	8.50	80.00	
<b>Hicksi (Hick's Yew).</b> Very compact, narrow upright.			
2½ ft.....	7.00	67.50	
3 ft.....	10.50	100.00	
3½ ft.....	12.50	130.00	
4 ft.....	15.00		
4½ ft.....	17.50		
5 ft.....	20.00		
<b>THUJA Occidentalis (American Arborvitae).</b> A broad pyramidal tree; flat lacy leaves.			
4 to 4½ ft.....	4.00	37.50	
4½ to 5 ft.....	4.35	40.00	
5 to 5½ ft.....	5.25	50.00	
5½ to 6 ft.....	6.00	57.50	
6 to 6½ ft.....	6.50	60.00	
<b>Occ. Douglasi Pyramidalis (Douglas Pyramidal Arborvitae).</b> Of compact, tall slender form; foliage dark green with lighter tips. 2½ to 3 ft.			
3 to 3½ ft.....	3.50	32.50	
3½ to 4 ft.....	4.00	37.50	
4 to 4½ ft.....	4.50	42.50	
4½ to 5 ft.....	5.00	47.50	
5 to 5½ ft.....	6.00	57.50	
5½ to 6 ft.....	6.50	60.00	
6 to 6½ ft.....	7.50	70.00	
6½ to 7 ft.....	8.25	77.50	
<b>Occ. Globosa American Globe Arborvitae).</b> A round, compact form, dark green foliage.			
24 in.....	2.75	25.00	
30 in.....	3.25	30.00	
<b>Occ. Pyramidalis (American Pyramidal Arborvitae).</b> A compact, narrowly pyramidal tree with bright green foliage. 3½ to 4 ft.			
4 to 4½ ft.....	4.00	37.50	
4½ to 5 ft.....	4.50	42.50	
5 to 5½ ft.....	5.00	47.50	
5½ to 6 ft.....	6.00	57.50	
6 to 6½ ft.....	6.50	60.00	
6½ to 7 ft.....	7.50	70.00	
7 to 8 ft.....	8.00	75.00	
8 to 9 ft.....	9.50	90.00	
10 to 12 ft.....	10.75	100.00	
<b>Occ. Rosenthalii (Rosenthal Arborvitae).</b> Dark green dense foliage; compact grower. 3 to 3½ ft.			
3½ to 4 ft.....	3.50	32.50	
4 to 4½ ft.....	4.75	45.00	
4½ to 5 ft.....	5.50	50.00	
5 to 5½ ft.....	6.50	60.00	
<b>Occ. Wareana (Ware Arborvitae).</b> Of dense, broad, pyramidal form with rich green foliage. Very hardy.			
2 to 2½ ft.....	3.50	32.50	
2½ to 3 ft.....	4.50	42.50	
3 to 3½ ft.....	5.50	52.50	
3½ to 4 ft.....	6.50	62.50	
<b>TUSGA Canadensis (Canada Hemlock).</b> Conical tree with gracefully drooping branches.			
3½ to 4 ft.....	6.75	65.00	
4 to 4½ ft.....	8.00	75.00	

All evergreens personally selected and tagged in the Nursery, will be charged for according to their value, usually 25% above catalog price.

All Prices F. O. B. Our Nurseries, Western Springs, Ill., Subject to Change Without Notice. Packing Charges Additional at Cost.

## VAUGHAN'S IRISES

"S" refers to the three standard or upright curling petals.

"F" refers to the three falls or drooping petals.

	Each	10	25
<b>Autumn King.</b> 30 in. A large blue-purple bicolor.....	\$0.25	\$2.00	\$3.75
<b>Copper Lustre.</b> 36 in. Huge flowers of a blend of glowing copper and gold with iridescent sheen.....	.30	2.50	5.00
<b>Crystal Beauty.</b> 40 in. Perfectly shaped flowers of pure snow-white on well-branched stalks.....	.30	2.25	4.50
<b>Depute Nomblot.</b> 50 in. "S" coppery-red, flushed bronze; "F" rich claret crimson. A magnificent Iris.....	.30	2.25	4.50
<b>E. B. Williamson.</b> 36 in. Rich, glowing coppery-red with a silky sheen. Very unusual and extra fine.....	.30	2.50	5.00
<b>Eleanor Roosevelt.</b> 28 in. Deep velvety purple self. Profuse bloomer twice a year.....	.30	2.25	4.50
<b>Golden Majesty.</b> 42 in. A truly superb deep yellow Iris. Large blooms of thick substance do not fade.....	.50	4.00	
<b>Golden Treasure.</b> 38 in. Huge flowers of creamy-yellow with golden heart; very floriferous.....	.30	2.50	
<b>Great Lakes.</b> 48 in. An exquisite blue. Ideally formed blooms with flaring falls and crisp petal texture.....	.65	4.50	
<b>Indian Hills.</b> 37 in. A stunning Iris of rich wine purple.....	.30	2.25	4.50
<b>Los Angeles.</b> 40 in. Giant, snowy-white flowers of satin texture; standards edged lavender-blue.....	.30	2.50	5.00
<b>Ming Yellow.</b> 50 in. The perfect yellow Iris. Vigorous in growth, strong foliage and stout, well branched stems.....	.50	4.50	
<b>Missouri.</b> 36 in. Clear vivid blue of sensational size.....	.40	3.00	5.50
<b>Naranja.</b> 40 in. Large yellow with orange yellow falls.....	.30	2.25	4.50
<b>Ormohr.</b> 40 in. Extra-large blooms of soft gray lavender veined violet with rosy glow. Hardy, easy to grow.....	.40	3.00	
<b>Prairie Sunset.</b> 37 in. A gorgeous blend of peach, apricot, rose, copper and gold, like a prairie sunset.....	1.00	7.00	
<b>Royal Coach.</b> 36 in. "S" chamois yellow, overlaid pink with cinnamon dottings; "F" bright yellow dotted brown.....	.30	2.50	5.00
<b>Sensation.</b> 45 in. Large corn-flower blue flowers of perfect form and heavy substance.....	.30	2.25	4.50
<b>Sierra Blue.</b> 48 in. Enormous flowers of soft, clear enamel-like blue. A 1935 medal winner.....	.30	2.25	5.00
<b>Spring Cloud.</b> 42 in. A striking plicata. "S" white heavily dotted and edged blue; "F" white, marked blue.....	.30	2.50	
<b>Wabash.</b> 39 in. Dykes Medal 1940. "S" snowy white; "F" hyacinth-violet. One of the finest of all Irises.....	.50	3.50	

Ask for our "Complete List" of Iris, ready in June

All Prices are F.O.B. Western Springs, Ill.

Packing Charges to be added at cost.

## VAUGHAN'S PEONIES

## 5 of a Kind at the 10 Rate—25 of a Kind at the 100 Rate

We have put the following varieties in storage and can only supply them in divisions from 3 to 5 eyes while the stock lasts.

Peonies may be planted in early spring with good results.

	Each	10	100
<b>7.6 Edulis Superba.</b> Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.....	\$0.50	\$4.00	\$37.50
<b>8.4 Felix Crousse.</b> Large globular blooms of rich, even brilliant, dazzling ruby-red; late midseason. Good cut-flower and storage variety.....	.60	5.50	50.00
<b>9.3 Festiva Maxima.</b> Popular large white, dotted carmine. Often 7 to 8 inches in diameter. Early.....	.60	5.00	45.00
<b>8.9 Georgiana Shaylor.</b> Large, flat, pale rose pink with a few flecks of crimson. A strong grower. Midseason.....	.60	5.00	40.00
<b>8.2 Gold Mine (Oriental Peony).</b> Cup-shaped flowers of dark rose-pink with deep golden center. A strong grower and profuse bloomer. Midseason.....	.50	4.00	37.50
<b>8.2 Grover Cleveland.</b> Large compact flowers of rich bright crimson on stiff stems. It has excellent foliage and is one of our most desirable reds. Late midseason.....	.60	5.00	45.00
<b>8.8 Karl Rosefield.</b> Very large globular flower of rich velvety-crimson. Extremely vigorous grower, tall, early midseason.....	.65	5.50	50.00
<b>7.9 Mme. de Verneville.</b> Fragrant flowers, very full double, pure white, with center delicately tinted blush. Early.....	.50	4.00	37.50
<b>8.7 Reine Hortense (President Taft).</b> One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink center flecked crimson. Midseason.....	.75	6.00	50.00
<b>Unnamed. Double Pink.</b> .....	.50	3.50	30.00
<b>Unnamed. Double White.</b> .....	.50	4.00	35.00
<b>Unnamed. Double Red.</b> .....	.50	4.00	35.00

# Vegetable Plants With a Pedigree

## Vaughan's Seeds of Table Quality Varieties are Sure Selling

THANKS to millions of new homes, plus the influence of the high cost of living, home vegetable gardening is increasing. A booming market for vegetable plants seems to be assured next spring.

To obtain premium prices for your plants, varieties should be grown which are especially suited for home gardens. Having specialized for half a century in these table quality varieties, Vaughan's can supply them; and by growing plants from Vaughan's Seeds and advertising the fact, you will attract customers at higher prices.

On these two pages we list varieties which our experience has shown to be in especial demand among home gardeners.

### BROCCOLI

**De Cicco.** 70 days. The best strain for Market, Home Garden or freezing, suitable in north or south. 18 inches tall; branching, forming compact head of bluish green flower buds. After the main head is removed smaller heads are produced from the branches which continue to the end of the season. Pkt., 15c; oz., 50c; ¼ lb., \$1.50; lb., \$4.50.

### CABBAGE YELLOW-RESISTANT

We offer the best resistant strains of cabbage seed through the cooperation of some of the best cabbage experts in the district of Racine, Wisconsin. Wherever the yellows disease has been known, we advise the use of resistant varieties. As a second precaution, everyone should give the hot water treatment to cabbage seed to insure freedom from black rot. Just before planting soak the seed for 30 minutes in water heated to 122° F.

**Bugner.** 100 days. This is the most popular of all the green types of cabbage for Market, Home Garden, Kraut and storage. It is one of the heaviest for size of head, being firm, tender and excellent quality. 8 inches round, flattened slightly, deep through, 7 inches, weighing 10 pounds or more, outer leaves deep purplish green with a tight folded leaf covering the head. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00; lb., \$9.00.

**Globe.** 75 days. A solid round headed resistant variety. Glory of Enkhouser Cabbage. Stem medium short particularly valuable for kraut. Pkt., 25c; oz., 45c; ¼ lb., \$1.45; lb., \$4.25.

**Jersey Queen.** 60 days. Very similar to Early Jersey Wakefield, but bred for resistance to yellows. Pkt., 25c; oz., 45c; ¼ lb., \$1.45; lb., \$4.25.

**Red Yellows Resistant.** 100 days. While this is not quite as large as the Long Island Mammoth Rock Red strain, it is darker and more uniform; being yellows resistant, is safer to grow. All sections of the country are becoming infested with yellows so it is important that resistant strains be more extensively used. Pkt., 25c; oz., 65c; ¼ lb., \$1.65; lb., \$5.00.

**Marion Market.** 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 25c; oz., 45c; ¼ lb., \$1.45; lb., \$4.25.

**Racine Market.** 65 days. The finest resistant cabbage to mature. Golden Acre. The heads, though not quite the size of Resistant Detroit, resist bursting more. The leaves are colored a beautiful bluish green. Pkt., 25c; oz., \$1.00; ¼ lb., \$3.00; lb., \$9.00.

### STANDARD BRED CABBAGES

**Reselected Copenhagen Market Extra Early.** Matures in about 62 days. Earliest of the large heading cabbages, maturing even before the conical types. Market growers have reported their entire crop of this strain harvested before heads from other seed of this variety were ready to cut.

**Reselected Tested Stock.** Oz., 50c; ¼ lb., \$1.65; lb., \$5.00.

**Early Jersey Wakefield.** 62 days. Very pointed, hard head, 7 inches long, 5 inches wide. Desirable for the southern trade; stands close planting. Oz., 40c; ¼ lb., \$1.10; lb., \$3.25.

**Golden Acre.** Matures in about 60 days. This round headed variety is earlier than Copenhagen Market and its heads are smaller, weighing 4 to 5 lbs. Oz., 45c; ¼ lb., \$1.40; lb., \$4.00.

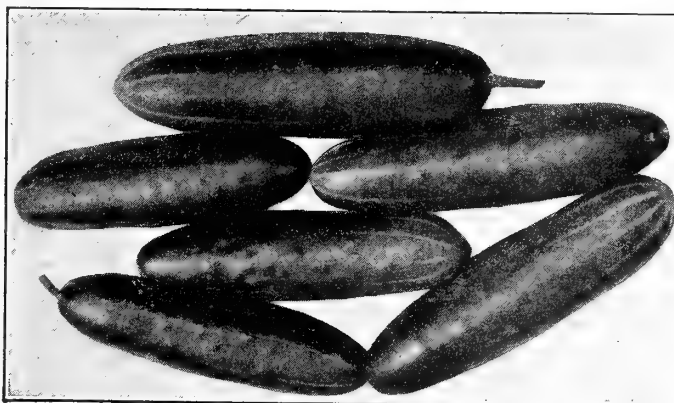
**GOLDEN ACRE DANISH GROWN (A. H. 45).** Oz., 50c; ¼ lb., \$1.65; lb., \$5.00.

### CAULIFLOWER Vaughan's New Snow- ball. Matures in about 55 days.

For early outdoor planting and forcing, as well as for late sowing for the fall crop, this variety is standard. A well grown head measures 9 to 10 inches across with depth in proportion and a perfectly white core. Pkt., 30c; ¼ oz., 85c; ½ oz., \$1.60; oz., \$3.00; ¼ lb., \$9.25.



CAULIFLOWER  
VAUGHAN'S  
NEW SNOW-  
BALL. Pkt., 30c



CUCUMBER MARKETER

### CUCUMBER

**Marketer.** 65 days. A variety that is now the most popular slicing cucumber for market. The fruits are a very dark green, extremely uniform and taper slightly at the ends. The average size is about 8 inches long and 2¼ inches in diameter. Pkt., 15c; oz., 35c; ¼ lb., 85c; lb., \$2.50.

**The Vaughan.** 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties, it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.50.

**Colorado, or 'A and C.'** 68 days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color which is maintained longer than in any other variety. Fruit is inclined to taper, especially at stem end. Seeds form late in season and are few. White spined. Pkt., 10c; oz., 35c; ¼ lb., 85c; lb., \$2.50.

### EGG PLANT

**Black Beauty.** 110 days. Twelve days earlier than New York. In shape it is broad and thick, perfectly spineless and smooth; beautiful, rich purple color and handsome lustre. Oz., 75c; ¼ lb., \$2.25; lb., \$6.00.

### CELERY

**Michigan Golden (College Golden).** Developed at Michigan State Agricultural College. A new strain of self-blanching celery resistant to root rot or crown rot 'Fusarium Yellows,' bred from the tall strain of Golden self-blanching. Pkt., 35c; ½ oz., \$1.15; oz., \$2.00; ¼ lb., \$6.00.

**Easy Blanching Full Heart.** 110 days. Early green variety of erect, compact growth, blanching easily; 18-22 inches tall, stalks very thick with an excellent heart. Oz., 75c; ¼ lb., \$2.25; lb., \$6.75.

**Golden Self Blanching Short.** 90 days. tall, stocky, solid, thick, stalks blanching easily. Oz., 90c; ¼ lb., \$2.70; lb., \$8.00.

## Lettuce

**Lettuce Bibb (Limestone).** 57 days. This dark green, tender, brittle lettuce, which quickly makes loose heads as big as your fist, is becoming well-known to chefs of luxury hotels and to high priced food shops. Some say it was once known as "Half Century," others that it was bred by Maj. John Bibb, of Kentucky, born in 1789. It is making a comeback and we can promise you a fine spring crop, but must warn that it goes to seed quickly in hot weather. Pkt., 20c; oz., 35c;  $\frac{1}{4}$  lb., 85c; lb., \$2.50.

**Grand Rapids.** About 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

**Vaughan's Extra Selected Stock.** Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00.

**Great Lakes.** 75 days. A lettuce bred to produce mature heads in the hot summer weather of the middle west. The color and quality of a typical head of Great Lakes are outstanding. Recommended for upland soil. Pkt., 20c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$1.85; per lb., \$5.50.

**Imperial No. 456.** 80 days. A fine introduction of the Cornell Experiment Station that is highly recommended for growing on lowland or muck. It is said to withstand higher temperatures and tip burn better than Imperial No. 44. Pkt., 20c;  $\frac{1}{2}$  oz., 40c; oz., 65c;  $\frac{1}{4}$  lb., \$1.85; per lb., \$5.50.

## RADISH

**Early Scarlet Globe**

**Select.** (F). 23 days. Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days.

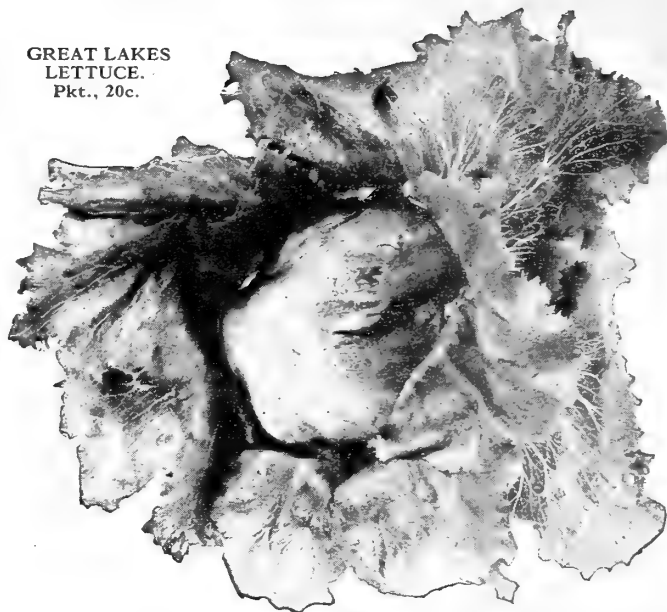
**Short Top—Pkt., 15c;**  
 $\frac{1}{4}$  lb., 40c; lb., \$1.10;  
100 lbs. at \$1.00 per lb.

**Scarlet Turnip White**

**Tip.** 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

**Vaughan's "Sparkler" Strain.** Pkt., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00; 100 lbs. at 90c per lb.

**GREAT LAKES  
LETTUCE.**  
Pkt., 20c.



## KOHLRABI

**Early White Vienna.** 55 days. Produces bulbs above the ground of a pale greenish white color and are eaten when about 2 inches or more in size. Flavor of turnip. Pkt., 15c; oz., 50c;  $\frac{1}{4}$  lb., \$1.45; lb., \$4.00.

## ONION

**Valencia Sweet Spanish.** 110 days. Here is a mild, sweet, giant onion of the true Spanish type. From seed it will produce onions weighing a pound; if started in the hotbed, two pound specimens can be grown. Pkt., 15c;  $\frac{1}{4}$  lb., \$1.50; lb., \$4.50.

**White Lisbon.** Strictly a bunching onion. Plants do not form bulbs, but long, smooth white stems; twice the size of ordinary bunching onions. Very hardy and can be planted either in spring or fall. Pkt., 15c;  $\frac{1}{4}$  lb., \$1.50; lb., \$4.50.

## TOMATOES

**For Plants Resistant to Wilt**

**Pritchard. Certified.** 76 days. The name of which indicates its peculiarity. It is a brilliant red, very productive and has a goodly percent of resistance to wilt. Oz., 65c;  $\frac{1}{4}$  lb., \$1.65; lb., \$5.00.

**Marglobe Certified.** 77 days. As early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. Pkt., 15c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00; lb., \$6.00.

## BEST YELLOW VARIETY

**Jubilee.** 72 days. All America bronze medal, 1943. Among home gardeners this variety has quickly become one of the most popular, both for salad and for exhibition. Many consider that in heavy production of high quality fruits, uniform in both shape and size, it has no superior. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c;  $\frac{1}{2}$  oz., 50c; oz., 85c.

## STANDARD BRED TOMATOES

**Crimson Cushion or Beefsteak.** 90 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 85c;  $\frac{1}{4}$  lb., \$2.50.

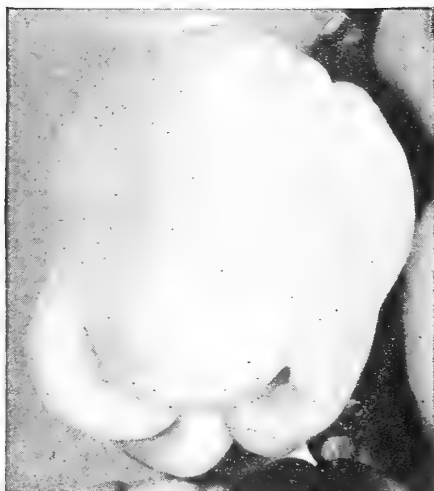
**Ponderosa.** 88 days. Of the large fruited varieties, this one is most popular. Pkt., 10c;  $\frac{1}{2}$  oz., 45c; oz., 85c;  $\frac{1}{4}$  lb., \$2.50.

**Oxheart.** 90 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder. Pkt., 15c; oz., \$1.00;  $\frac{1}{4}$  lb., \$3.50.

**Vaughan's Special Earliana.** 66 days. Earliest large, smooth bright red tomato. Oz., 75c;  $\frac{1}{4}$  lb., \$2.35; lb., \$7.00.



**Giant Tree (Italian Potato Leaved).** A pink of enormous size and finest table quality. This is a Vaughan specialty. There is a sell-out market for giant tree plants.  $\frac{1}{2}$  oz., \$1.75; oz., \$3.50;  $\frac{1}{4}$  lb., \$15.00; lb., \$45.00.



PEPPER GOLDEN CALIFORNIA WONDER

## Peppers

**Early California Wonder (Calwonder).**

68 days. The new standard of perfection among sweet peppers. Color deep green changing to brilliant crimson upon ripening. Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c;  $\frac{1}{4}$  lb., \$2.50.

**Golden California Wonder.** 80 days. A fine productive, new introduction, plants of which bear bright golden Peppers with the characteristics of regular California Wonder. Pkt., 25c;  $\frac{1}{2}$  oz., 50c; 1 oz., \$1.00;  $\frac{1}{4}$  lb., \$3.00.

**Hungarian (Hot).** In 65 days. A slender hot pepper much prized for canning. It is  $1\frac{1}{2}$  inches in diameter at the base and often 10 inches long. Pale green turning to red. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 65c;  $\frac{1}{4}$  lb., \$1.75.

**Hungarian Sweet.** 65 days. An unbelievably productive banana shaped pepper. Our stock of this variety is one of our specialties and there is no superior strain. The fruit is sweet with a medium fleshed wall, light yellow turning to bright red at maturity. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., \$1.00;  $\frac{1}{4}$  lb., \$3.00.

**Bull Nose, Hot.** 70 days. A pungent pepper. Pkt., 15c;  $\frac{1}{2}$  oz., 30c; oz., 50c;  $\frac{1}{4}$  lb., \$1.50.

**King of the North.** 65 days. One of the earliest Peppers, of good size, dark green, turning to a deep rich red. One of the most productive and of good market size. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$1.75.

**World Beater.** 70 days. One of the best of the large peppers, 5 inches long by  $3\frac{1}{2}$  inches in diameter. Flesh mild and thick, a rich deep red when ripe. Very prolific. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 65c;  $\frac{1}{4}$  lb., \$1.75.



# Vaughan's Vegetable Seeds for Florists

## VAUGHAN'S VEGETABLE SEEDS

FOR 73 years Vaughan's Seed Store has specialized in quality vegetable seeds for commercial as well as amateur growers. We maintain one of the largest seed testing laboratories in the world and neither buy nor sell any seeds that fail to come up to the highest standards of purity and germination. In addition to this, we place emphasis upon the care, breeding and selection of our seeds in order to insure that they bear crops that are uniform and true to type.

### ARTICHOKE

	Oz.	$\frac{1}{4}$ lb.	Lb.
Green Globe.....	\$1.00	\$3.00	\$10.00

### ASPARAGUS SEED

Mary Washington.....	\$0.25	\$0.60	\$ 1.75
Paradise.....	.40	1.00	3.00

### ASPARAGUS ROOTS

	100	1000	5,000 per 1,000
Mary Washington. 2 Year Old.....	\$3.00	\$27.50	\$25.00

### BUSH BEANS—Green Pod

	1 to 5 lbs., per lb.	10 lbs.	100 lbs.
Black Valentine Stringless.....	\$0.40	\$3.50	\$32.00
Bountiful Stringless.....	.40	3.50	32.00
Dwarf Horticultural.....	.40	3.50	32.00
Early Red Valentine Stringless.....	.40	3.50	32.00
Giant Stringless Green Pod.....	.40	3.50	32.00
Improved Navy Michelite.....	.35	2.50	22.50
Logan.....	.40	3.50	32.00
Long Green.....	.40	3.50	32.00
Plentiful.....	.40	3.50	32.00
Streamliner.....	.40	3.50	32.00
Stringless Green Pod.....	.40	3.50	32.00
Tendergreen.....	.40	3.50	32.00

### WAX BEANS

Cherokee Wax.....	\$0.40	\$3.50	\$32.00
Davis Stringless Wax.....	.40	3.50	32.00
Golden Wax.....	.40	3.50	32.00
Pencil Pod Black Wax.....	.40	3.50	32.00
Round Pod Kidney Wax.....	.50	3.75	35.00
Sure Crop Bountiful Wax.....	.40	3.50	32.00
Unrivalled Wax.....	.40	3.50	32.00

### BUSH LIMA BEANS

Baby Fordhook.....	\$0.40	\$3.50	\$32.00
Burpee's Improved Bush Lima.....	.50	4.20	38.00
Cangreen.....	.50	3.50	32.00
Early Market.....	.40	3.50	32.00
Fordhook 242.....	.50	4.20	38.00
Fordhook Bush Lima.....	.50	4.20	38.00
Henderson U. S. No. 2.....	.40	3.50	32.00
Triumph (New U.S.D.A. introduction).....	.50	4.20	38.00

## POLE LIMA

	1 to 5 lbs., per lb.	10 lbs.	100 lbs.
King of the Garden.....	\$0.40	\$3.50	\$32.00

### POLE BEANS—Green Pod

Horticultural Cranberry.....	\$0.40	\$3.50	\$32.00
Kentucky Wonder or Old Homestead.....	.40	3.50	32.00
Lazy Wife.....	.40	3.50	32.00
Scarlet Runner.....	.40	3.50	32.00

### POLE BEANS—Wax Pod

	Lb.	10 lbs.	100 lbs.
Kentucky Wonder Wax.....	\$0.50	\$4.40	\$40.00

## BEETS

	$\frac{1}{4}$ lb.	Lb.	5 lbs. per lb.
Crosby's Egyptian.....	\$0.50	\$1.50	\$1.35
Detroit Dark Red.....	.50	1.50	1.35
Perfected Detroit.....	.55	1.60	1.50
Early Blood Turnip, Select.....	.50	1.50	1.35
Early Wonder.....	.50	1.50	1.35
Green Top Bunching.....	.55	1.60	1.50
Improved Early Egyptian.....	.50	1.50	1.35
MANGEL—Vaughan's Mammoth Long Red.....	.35	.95	.90
Golden Tankard.....	.35	.95	.90
Giant Half Sugar Rose.....	.35	.95	.90
SUGAR BEETS—			
Klein's Wanzleben.....	.40	1.00	.95

## BROCCOLI

	Oz.	$\frac{1}{4}$ lb.	Lb.
DeCicco (Earliest to mature).....	\$0.50	\$1.50	\$4.50
Italian Calabrese.....	.40	1.35	4.00

## BRUSSELS SPROUTS

Improved Dwarf.....	\$0.65	\$1.80	\$5.00
Long Island Improved.....	.65	1.80	5.00

## CABBAGE

### YELLOW-RESISTANT CABBAGES

	Oz.	$\frac{1}{4}$ lb.	Lb.
Bugner.....	\$1.00	\$3.00	\$9.00
Globe.....	.45	1.45	4.25
Golden Acre—Resistant (Early Detroit).....	.70	2.00	6.00
Jersey Queen.....	.45	1.45	4.25
Marion Market.....	.45	1.45	4.25
Racine Market (Wisconsin Pride).....	1.00	3.00	9.00
Wisconsin All Head.....	.45	1.45	4.25
Wisconsin All Season.....	.45	1.35	3.90
Wisconsin Ballhead.....	.50	1.50	4.50
Wisconsin No. 8.....	.45	1.40	4.00

These Prices Subject to Change Without Notice.

## CABBAGE—Continued

## STANDARD VARIETIES

	Oz.	¼ lb.	Lb.
Charleston Wakefield.....	\$0.40	\$1.10	\$3.25
Chinese Cabbage Michihli.....	.85	2.25	6.00
Chinese Cabbage Wong Bok.....	.25	.65	1.75
Chinese Celery Cabbage Chihili.....	.25	.65	1.75
Copenhagen Market.....	.40	1.10	3.25
Copenhagen Market Extra Early Selections.....	.50	1.65	5.00
Danish Ballhead (Dwarf Amager).....	.40	1.10	3.25
Early Flat Dutch.....	.40	1.10	3.25
Early Jersey Wakefield.....	.40	1.10	3.25
Glory of Enkhousen.....	.40	1.10	3.25
Golden Acre.....	.45	1.40	4.00
Golden Acre Special.....	.50	1.65	5.00
Green Acre.....	.45	1.40	4.00
New Penn. State Ballhead.....	.45	1.25	3.75
Vaughan's Premium (Late) Flat Dutch.....	.40	1.10	3.25

## RED CABBAGE—

Mammoth Rock Red Long Island.....	.40	1.30	3.75
Wisconsin Red, Yellows Resistant.....	.65	1.65	5.00

SAVOY CABBAGE—Long Island Strain.....	.50	1.50	4.50
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## CARROT

	¼ lb.	Lb.	5 lbs. Per lb.
Chantenay. Red core.....	\$0.65	\$1.75	\$1.65
Danvers Half Long. Red core.....	.50	1.50	1.40
Early Short Scarlet (Dutch Horn).....	.65	1.75	1.65
Guerande or Oxheart.....	.50	1.50	1.40
Hutchinson (Waltham Strain).....	1.00	2.50	2.25
Imperator.....	.50	1.50	1.40
Improved Chantenay.....	.50	1.50	1.40
Improved Long Orange.....	.50	1.50	1.40
Nantes Half Long.....	.70	2.00	1.80
Sweetheart.....	.75	2.25	2.15

## USEFUL VEGETABLES

	Oz.	¼ lb.	Lb.
Asparagus Chicory.....	\$0.35	\$0.85	\$2.50
Cardoon.....	.95	2.75	8.50
Chicory, Magdeburg. Large rooted.....	.35	1.05	3.00
Chicory, Witloof or French Endive. Fancy.....	.35	.85	2.50
Chives. Pkt., 15c; ½ oz., 40c.....	.75	2.00	.....
Cress, Curled or Pepper Grass.....	.25	.65	2.00
Cress, Upland.....	.35	.85	2.50
Collards Cabbagehead.....	.35	.70	2.00
Collards Georgia.....	.35	.70	2.00

## CAULIFLOWER

	Pkt.	¼ oz.	½ oz.	Oz.	¼ lb.	Lb.
Autumn Giant.....	\$0.25	\$0.40	\$0.75	\$1.40	\$4.25	\$12.00
Dry Weather.....	.30	.75	1.40	2.65	7.75	25.00
Ideal (All American 1949).....	.50	1.35	2.50	5.00	15.00	45.00
New Snowball (Late).....	.30	.85	1.60	3.00	9.25	27.50
Select Snowball.....	.40	.85	1.60	3.00	9.25	27.50
(Early).....	.30	.85	1.60	3.00	9.25	27.50
Snowdrift.....	.30	.85	1.60	3.00	9.25	27.50

## CELERY

	Oz.	¼ lb.	Lb.
Cornell No. 19.....	\$1.50	\$4.00	\$12.00
Easy Blanching Full Heart.....	.75	2.25	6.75
Emperor. Splendid quality, dwarf.....	.65	2.00	6.00
Giant Pascal. Easy-blanching and a fine keeper.....	.65	2.00	6.00
Golden Self-Blanching. Short.....	.90	2.70	8.00
Michigan Golden (Yellow-resistant).....	2.00	6.00	18.00
Summer Pascal.....	1.00	3.00	10.00
Salt Lake (Utah Pascal).....	.90	2.70	8.00
White Plume. Vaughan's Selected Stock.....	.65	2.00	6.00
Winter Queen.....	.65	2.00	6.00

## CELERIAC

	Oz.	¼ lb.	Lb.
Large Smooth Prague. Earliest of all.....	\$0.60	\$1.85	\$5.50

## SWEET CORN

Hybrid and top crosses are starred (\*).

	Lb.	10 lbs.	100 lbs.
*Bancross.....	\$0.50	\$4.00	\$38.00
Bantam Evergreen.....	.35	2.75	25.00
Country Gentleman.....	.35	2.75	25.00
*Country Gentleman Hybrid.....	.60	5.50	50.00
Early Evergreen.....	.35	2.75	25.00
Early Golden Bantam.....	.35	2.75	25.00
Golden Bantam.....	.35	2.75	25.00
*Golden Cross.....	.50	4.00	38.00
Golden 60-Day.....	.35	2.75	25.00
Howling Mob.....	.35	2.75	25.00
*Ioana.....	.50	4.00	38.00
Improved Golden Label. (Best late yellow corn).....	.60	5.50	50.00
*Lee.....	.50	4.00	38.00
*Marcross.....	.50	4.00	38.00
*Narrow Grain Hybrid.....	.60	5.50	50.00
*Our Choice.....	.50	4.00	38.00
Stowell's Evergreen.....	.35	2.75	25.00
*Stowell's Hybrid.....	.60	5.50	50.00
*Surprise.....	.50	4.00	38.00

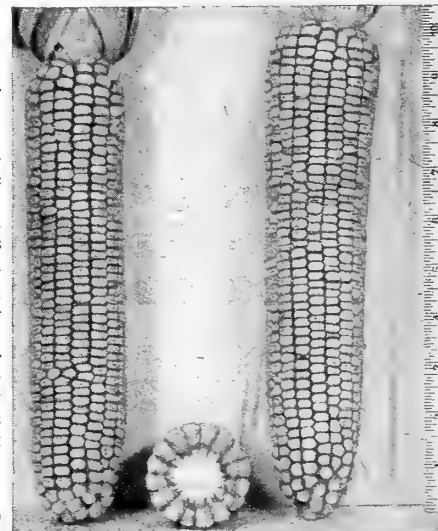
HYBRID  
FIELD CORN

We offer State Certified Hybrids—

For many years breeders at the University of Wisconsin have been constantly at work developing and improving hybrids adapted to Northern Illinois, Wisconsin, Michigan, Iowa and Indiana.

Through arrangements with the University we are able to offer these proven hybrids at the following prices:

Grade	½ Bu.	Bu.
Flat Kernels		
(Edge Drop)	\$5.00	\$9.50



## CUCUMBERS

	Oz.	¼ lb.	Lb.
"A and C".....	\$0.35	\$0.85	\$2.50
Boston Pickling.....	.25	.65	1.75
Cubit.....	.35	.85	2.50
Davis Perfect.....	.25	.65	1.95
Early Cluster.....	.25	.65	1.75
Early Fortune.....	.25	.65	1.85
Highmoor (Scab resistant market type).....	.35	.85	2.50
Improved Long Green.....	.35	.85	2.50
Improved White Spine.....	.25	.65	1.95
National.....	.25	.65	1.75
Westerfield's Chicago Pickle. One of our specialties.....	.25	.65	1.75
West India Gherkin.....	.30	.75	2.25

These Prices Subject to Change Without Notice.

**CUCUMBERS—Continued**

	Oz.	¼ lb.	Lb.
Mandarin.....	\$0.35	\$0.85	\$2.50
Marketer (Best for market).....	.35	.85	2.50
Quick Grow.....	.35	.85	2.50
Straight Eight.....	.35	.85	2.50
The Vaughan.....	.35	.85	2.50

**DANDELION**

Thick Leaved or Cabbaging. Pkt., 15c.....	1.25	3.75	....
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**DILL**

Oz., 15c; ¼ lb., 30c; lb., 90c.

**EGG PLANT**

Black Beauty.....	.75	2.25	6.00
Florida High Bush.....	.75	2.25	6.00
Minnoval.....	.75	2.25	6.00
Vaughan's Improved N. Y. Purple.....	.75	2.25	6.00

**ENDIVE**

Broad-leaved Batavian White Escarolle			
Full Heart.....	.20	.50	1.50
Ever White Curled.....	.20	.50	1.50
Fringed Deep Heart.....	.20	.50	1.50
Green Curled Pancalier, Rose Ribbed.....	.20	.50	1.50
Green Curled Summer.....	.20	.50	1.50
Moss, Very Fine Curled.....	.20	.50	1.50

**GARLIC**

Selected Bavarian, lb., 60c. Write for prices on larger lots.

**HERBS**

Anise.....	.35	.85	2.50
Borage.....	.25	.70	2.00
Caraway.....	.30	.90	2.70
Catnip.....	1.00	3.00	9.00
Coriander.....	.30	.90	2.70
Fennel, Florence.....	.30	.75	2.25
Fennel, Sweet.....	.30	.90	2.65
Lavender (True).....	.90	2.75	8.25
Sage.....	.45	1.35	4.00
Savory, Summer.....	.45	1.45	4.25
Sweet Basil.....	.40	1.25	3.75
Sweet Marjoram.....	.60	2.00	6.00
Thyme.....	1.00	3.00	9.00

**KALE OR BORECOLE**

Dwarf Green Curled.....	.25	.75	2.25
Tall Green Scotch.....	.25	.75	2.25

**KOHLRABI**

Early Purple Vienna.....	.50	1.45	4.00
Early White Vienna.....	.50	1.45	4.00

**LEEK**

Broad Scotch or London Flag.....	.50	1.50	4.50
Large Carentan.....	.50	1.50	4.50
Large Musselburg.....	.50	1.50	4.50

**LETTUCE**
**Leaf Varieties**

	Oz.	¼ lb.	Lb.
Black-Seeded Simpson.....	\$0.20	\$0.50	\$1.50
Early Curled Simpson.....	.20	.50	1.50
Grand Rapids Forcing.....	.25	.65	2.00

**Cabbage and Head Varieties**

Bibb.....	.35	.85	2.50
Big Boston, Vaughan's Selected Stock.....	.25	.65	1.75
Cosberg 600.....	.30	.80	2.25
Express Cos.....	.25	.65	1.75
Great Lakes (for uplands).....	.65	1.85	5.50
Iceberg.....	.30	.75	2.25
Imp. Hanson. Very large firm heads.....	.25	.65	1.75
Imperial No. 456 (for Muck or lowlands).....	.65	1.85	5.50
May King. Very early.....	.25	.65	1.75
New York No. 12.....	.35	.85	2.50
New York (Imperial 44).....	.45	1.25	3.75
New York (Imperial 847).....	.45	1.25	3.75
Paris White Cos.....	.25	.65	1.75
Prizehead.....	.20	.50	1.50
Trianon Cos.....	.25	.65	1.75
Unrivalled or White Boston.....	.25	.65	1.75

**MUSKMELON**

Banana.....	.30	.80	2.25
Bender's Surprise.....	.30	.80	2.25
Extra Early Hackensack. Best strain.....	.30	.80	2.25
Hale's Best Jumbo Strain.....	.30	.80	2.25
Hearts of Gold or Improved Hoodoo.....	.30	.80	2.25
Honey Dew.....	.30	.80	2.25
Honey Rock.....	.30	.80	2.25
Iroquois.....	.30	.80	2.25
Milwaukee Market.....	.30	.80	2.25
Rocky Ford.....	.30	.80	2.25
Schoon's Hardshell or New Yorker.....	.30	.80	2.25
Tip Top. A very fine market melon.....	.30	.80	2.25
Wisconsin Pride.....	.30	.80	2.25

**WATERMELON**

Black Lee Resistant.....	.25	.75	1.90
Citron.....	.25	.75	1.90
Cole's Early or Harris.....	.25	.75	1.90
Dixie Queen.....	.40	1.20	3.50
Early Kansas or Red Russian.....	.25	.75	1.90
Florida Giant.....	.25	.75	1.90
Halbert Honey.....	.25	.75	1.90
Kleckley's Sweet No. 6 or Pride of Muscatine Resistant.....	.25	.75	1.90
Klondyke, Klondike Resistant No. 7.....	.25	.75	1.90
Ovid.....	.25	.75	1.90
Rattlesnake.....	.25	.75	1.90
Stone-Mountain Resistant No. 5 or Iowa Dixie.....	.25	.75	1.90
Sweetheart.....	.25	.75	1.90
Tom Watson.....	.25	.75	1.90
Winter. Winter or King and Queen.....	.25	.75	1.90

These Prices Subject to Change Without Notice.

**MUSTARD**

	Oz.	¼ lb.	Lb.
Florida Broad Leaved.....	\$0.15	\$0.35	\$0.85
Fordhook Fancy.....	.15	.35	.85
Giant Southern Curled.....	.15	.35	.85
Tendergreen.....	.15	.35	.85

**MUSHROOM SPAWN**

**Lambert's New Spore Culture Spawn.** Made by an entirely new process. More vigorous and more productive than tissue spawn. Produces mushrooms of greater uniformity and truer to type.

No. 9. White (Alaska) Mammoth Strain.

(Bricks weigh approximately 1 lb.)

1 Brick 40c	5 Bricks \$1.90	10 Bricks \$3.50
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**Sterilized Bottle Spawn**, in cartons. One carton will spawn 40 square feet. 90c per carton. \$9.00 per doz.

Write for circular.

**OKRA**

	Oz.	¼ lb.	Lb.
Dwarf Long Pod, White Velvet, Tall or Perkins' Mammoth.....			
Clemson Spineless.....	\$0.10	\$0.35	\$0.90
Prices of all of the above.....	.10	.35	.90

**ONION**

	¼ lb.	Lb.	5 lbs. per lb.
Bermuda Crystal White Wax. (Teneriffe Isles)	\$1.50	\$4.50	\$4.25
Ebenezer Yellow.....	1.50	4.50	4.25
Golden Globe.....	1.50	4.50	4.25
He-Shi-Ko or Jap <sup>o</sup> Bunching.....	1.50	4.50	4.25
Large Red Wethersfield.....	1.50	4.50	4.25
Riverside White.....	1.75	5.00	4.85
Southport Red Globe.....	1.50	4.50	4.25
Southport White Globe.....	1.50	4.50	4.25
Southport Yellow Globe. All strains.....	1.50	4.50	4.25
Valencia (Sweet Spanish).....	1.50	4.50	4.25
Vaughan's Special Yellow Globe (Mountain Danvers).....	1.50	4.50	4.25
White Ebenezer.....	1.50	4.50	4.25
White Lisbon or Bunching.....	1.50	4.50	4.25
White Portugal.....	1.50	4.50	4.25
Yellow Globe Danvers.....	1.50	4.50	4.25

**PARSLEY**

	Oz.	¼ lb.	Lb.
Hamburg (Standard) (Rooted).....	\$0.20	\$0.50	\$1.50
Plain.....	.20	.50	1.50
Vaughan's Champion Moss Curled.....	.20	.50	1.50
Vaughan's XXX.....	.20	.50	1.50

**PARSNIP**

Ideal.....	.15	.35	1.00
Improved Guernsey.....	.15	.35	1.00
Long Smooth, Hollow Crown.....	.15	.35	1.00

**PEAS**

	1 to 5 lbs. per lb.	10 lbs.	100 lbs.
Alaska (Resistant).....	\$0.25	\$1.70	\$15.00
Alderman.....	.30	2.50	22.50
American Wonder.....	.30	2.50	22.50
Dwarf Defiance.....	.30	2.50	22.50
Dwarf Gray Sugar.....	.30	2.50	22.50
Dwarf Telephone or Daisy (extra choice).....	.30	2.50	22.50
Extra Early Prem. Gem or Little Gem.....	.30	2.50	22.50
Giant Stride (Wilt-resistant).....	.30	2.50	22.50
Improved Gradus or World's Record.....	.30	2.50	22.50
Improved Stratagem.....	.30	2.50	22.50

**PEAS—Continued**

	1 to 5 lbs. per lb.	10 lbs.	100 lbs.
Laxtonian.....	\$0.30	\$2.50	\$22.50
Laxton's Progress.....	.30	2.50	22.50
Little Marvel.....	.30	2.50	22.50
Nott's Excelsior. One of the best earlies.....	.30	2.50	22.50
Telephone. Improved.....	.30	2.50	22.50
Thomas Laxton.....	.30	2.50	22.50

**PEPPER**

	½ oz.	Oz.	¼ lb.
Bullnose (Hot).....	\$0.30	\$0.50	\$1.50
California Wonder.....	.45	.85	2.50
Cayenne, Long red.....	.30	.50	1.50
Chinese Giant.....	.40	.70	1.85
Dixie Wonder (heat resistant type of California Wonder).....	.50	1.00	3.00
Early California Wonder.....	.45	.85	2.50
Golden California Wonder.....	.50	1.00	3.00
Harris Giant.....	.40	.65	1.75
Hungarian Hot.....	.40	.65	1.75
Hungarian Sweet.....	.50	1.00	3.00
King of the North.....	.35	.65	1.75
Large Bell (Sweet).....	.30	.50	1.50
Magnum Dulce. Largest.....	.35	.65	1.65
Patrick Henry. (Very early 3-4 lobed green green peppers).....	.50	1.00	3.00
Perfection Pimiento.....	.45	.75	2.00
Red Chili.....	.35	.60	1.60
Roumanian Block Type.....	.50	1.00	3.00
Ruby King.....	.40	.65	1.60
Sunnybrook, Tomato Shaped.....	.45	.75	2.00
Sweet Mountain.....	.35	.65	1.65
Tobasco.....	.45	.75	2.00
Waltham Beauty.....	.30	.50	1.50
Windsor "A".....	.40	.65	1.85
Worldbeater.....	.40	.65	1.75

**SWEET POTATOES**

Sweet Potatoes will be shipped from our grower in Southern Illinois, all by express at purchaser's expense. We offer: Yellow Jersey, Nancy Hall or Porto Rico at \$6.00 per bushel.

**SWEET POTATO PLANTS** will be ready for shipment about April 15th in the southern districts, May 15th in the northern districts and will be shipped from our grower in Southern Illinois. We offer Yellow Jersey, Nancy Hall and Porto Rico at 1,000 plants for \$7.00, by express purchaser's expense.

**PUMPKIN**

	Oz.	¼ lb.	Lb.
Cushaw, Golden.....	\$0.15	\$0.45	\$1.25
Cushaw, Striped.....	.15	.45	1.25
Cushaw, White.....	.15	.45	1.25
Kentucky Field.....	.15	.35	1.00
Large Cheese.....	.15	.35	1.00
Large Connecticut Field or Big Tom.....	.15	.45	1.25
Vaughan's Mammoth Prize.....	.25	.75	1.90
Vaughan's Small Sugar Pie.....	.15	.45	1.25
Winter Queen or Winter Luxury.....	.25	.65	1.50

**RADISH**

	¼ lb.	Lb.	10 lbs. per lb.
Cavalier (Special Strain for Market).....	\$0.40	\$1.10	\$1.00
Cincinnati Market. Long scarlet.....	.35	1.00	.90
Crimson Giant Forcing.....	.35	1.00	.90
Early Long Scarlet Short Top.....	.35	1.00	.90
Early Scarlet Globe (Medium top).....	.35	1.00	.90
Early Scarlet Globe. (Short top).....	.40	1.10	1.00
Improved French Breakfast.....	.35	1.00	.90
Scarlet Turnip, White Tip (Sparkler).....	.35	1.00	.90
White Icicle. The earliest long white.....	.35	1.00	.90
White Strassburg.....	.35	1.00	.90

**Winter Varieties**

California Mammoth White.....	.45	1.35	1.25
Chinese Mammoth or Celestial.....	.45	1.35	1.25
Long Black Spanish.....	.45	1.35	1.25
Rose or Scarlet China Winter.....	.45	1.35	1.25
Round Black Spanish.....	.45	1.35	1.25

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**RHUBARB**

	Oz.	¼ lb.	Lb.
Mammoth.....	\$0.25	\$0.65	\$2.00
Victoria.....	.25	.65	2.00

**RHUBARB ROOTS**

	Ea.	10	100
Canadian Red—divisions.....	\$0.50	\$4.00	\$30.00
McDonald—divisions.....	.40	3.50	30.00
Victoria, ¾-1 in.....		1.00	5.00
1-1½ in.....		1.50	7.00

**HORSERADISH**

Per 100, \$1.75; per 1,000, \$15.00; 5,000, per 1,000, \$14.00.

**SALSIFY**

	Oz.	¼ lb.	Lb.
Mammoth Sandwich Island.....	\$0.50	\$1.50	\$4.50

**SORREL**

French.....	.45	1.35	4.00
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**SPINACH**

	Lb.	10 lbs. per lb.	100 lbs. per lb.
Antvorskov (King of Denmark).....	\$0.50	\$0.45	\$0.40
Bloomsdale Dark Green.....	.50	.45	.40
Long Standing Bloomsdale Savoy.....	.50	.45	.40
Old Dominion.....	.50	.45	.40
Prickly Seeded Hollandia.....	.50	.45	.40
Tetragonia or New Zealand, 1 oz., 15c; ¼ lb., 35c.....	.95	.90	.85
Viking.....	.50	.45	.40
Virginia, Blight-Resistant.....	.50	.45	.40

**SWISS CHARD**

	Oz.	¼ lb.	Lb.
Dark Smooth. Broad white rib.....	\$0.15	\$0.40	\$1.00
Giant Fordhook.....	.15	.40	1.00
Lucullus.....	.15	.40	1.00

**SQUASH**

Banana.....	.25	.65	1.75
Blue Hubbard.....	.25	.65	1.75
Boston Marrow.....	.15	.35	1.00
Buttercup.....	.50	1.50	4.50
Butternut (Resistant to stem borer).....	.50	1.50	4.50
Chicago Warded Hubbard.....	.25	.65	1.75
Cocozelle.....	.25	.65	1.75
Delicious.....	.25	.65	1.75
Giant Summer Crookneck, Yellow.....	.20	.50	1.40
Golden Hubbard.....	.25	.65	1.75
Improved Table Queen or Jumbo.....	.25	.65	1.65
Italian Marrow Zucchini. Black or Dark Green.....	.25	.65	1.65
Italian Marrow Zucchini. Gray or Light Green.....	.25	.65	1.65
Kitchenette Small Hubbard.....	.25	.70	2.00
Mammoth Chili.....	.25	.70	2.00
Original Hubbard. Extra select.....	.25	.65	1.75
Prolific Straightneck.....	.25	.65	1.75
Sweet Potato.....	.25	.65	1.75
Vegetable Marrow (White English).....	.25	.65	1.75
White Bush Mammoth.....	.25	.60	1.65
Yellow Summer Crookneck.....	.20	.50	1.40

**TOMATO**

Beauty. Midseason Pink.....	.65	2.00	6.00
Bonny Best. Certified.....	.75	1.85	5.50
Bonny Best. Second red, called by market gardeners "yellow".....	.65	1.65	5.00
Bounty. First early, red.....	.75	2.20	6.50

**TOMATO—Continued**

	Oz.	¼ lb.	Lb.
Crimson Cushion or Beefsteak. Medium late, red, very large.....	\$0.85	\$2.50	\$7.50
Dwarf Champion. Medium late pink.....	.75	2.25	6.50
Dwarf Stone. Mid-season red.....	.80	2.35	7.00
Earliana. Earliest red.....	.75	2.35	7.00
Early Detroit. Early, pink.....	.75	1.85	5.50
Firesteel. A good dry weather type.....	.85	2.25	6.50
Garden State.....	.75	2.25	6.50
Giant Tree or Italian Potato Leaved. (Extremely large high quality pink). (½ oz.) \$1.75.....	3.50	13.50	....
Golden Ponderosa.....	1.00	3.00	9.00
Golden Queen. Mid-season yellow.....	.85	2.25	6.75
Greater Baltimore. (Indiana strain), certified.....	.65	2.00	6.00
Greater Baltimore. Medium early red.....	.60	1.85	5.50
Ground Cherry.....	.65	2.00	6.00
Italian Canner. (Small plum shaped).....	.75	2.50	7.50
John Baer. A first early red.....	.60	1.85	5.50
John Baer. Certified.....	.65	2.00	6.00
Jubilee. Mid-season, yellow globe.....	.85	2.25	6.75
June Pink. Second-early pink.....	.65	2.00	5.75
Livingston's Globe. Mid-season pink.....	.85	2.25	6.75
Oxheart. Pink.....	1.00	3.50	10.00
Ponderosa. One of largest mid-season pink... ..	.85	2.50	7.50
Stokesdale.....	.60	1.85	5.50
Stokesdale, Certified.....	.65	2.00	6.00
Stone, Improved. Medium early red.....	.50	1.50	4.50
Valiant.....	.75	2.25	6.50
Wisconsin No. 55 Fine New Introduction... ..	.75	2.25	6.50

**Resistant Varieties**

Break O'Day. Certified.....	.75	1.85	5.50
Break O'Day. Red.....	.65	1.65	5.00
Early Baltimore. Certified.....	.65	2.00	6.00
Grothen's Globe.....	.75	1.90	5.65
Marglobe. Certified.....	.65	2.00	6.00
Pritchard. Certified.....	.65	1.65	5.00
Rutgers. Certified.....	.65	2.00	6.00

**Forcing Sorts**

	Pkt.	Oz.	Lb.
Livingston's Globe. Pink.....	\$0.25	\$2.50	....
*Michigan State. Red.....	.25	2.50	....
Waltham Forcing.....	.25	2.50	....

**SMALL FRUITED TOMATOES**

	Oz.	¼ lb.	Lb.
Italian Canner.....	.75	2.50	7.50
Red Cherry.....	.75	2.50	7.50
Red Peach.....	.75	2.50	7.50
Red Plum.....	.75	2.50	7.50
Yellow Pear.....	.75	2.50	7.50
Yellow Plum.....	.75	2.50	7.50

**TURNIP**

	Lb.	5 lbs. per lb.	25 lbs. per lb.
Early Extra Purple Top Milan.....	\$1.00	\$0.90	\$0.85
Early White Milan. Earliest of all.....	1.00	.90	.85
Large Yellow or Amber Globe.....	1.00	.90	.85
Purple Top Strap Leaf.....	1.00	.90	.85
Purple Top White Globe.....	1.00	.90	.85
Seven Top.....	.75	.70	.65
Shogoin or Foliage Turnip.....	.75	.70	.65
White Egg.....	1.00	.90	.85

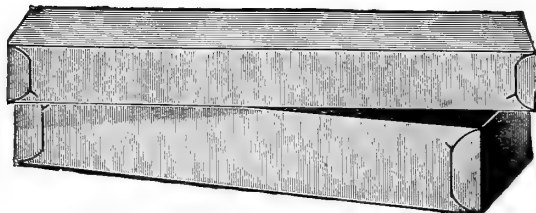
**RUTABAGA OR SWEDE**

Laurentian.....	1.00	.90	.85
Vaughan's American Purple Top Improved.....	1.00	.90	.85

These Prices Subject to Change Without Notice.

# Supplies for the Florist Shop

## CUT FLOWER BOXES



**Cut Flower Boxes Mist Green.** Shallow covers. 2 piece box, wide creases, die cut corners, water-proofed green tint on inside. Sturdy flower boxboard. Wrapped 50 complete to a bundle.

21x5x3".....per 100, \$7.20	28x8x5".....per 100, \$12.75
24x5x3½".....per 100, \$7.75	36x8x5".....per 100, \$15.75
30x5x3½".....per 100, \$8.95	

**Corsage Boxes Mist Green.** Shallow covers.

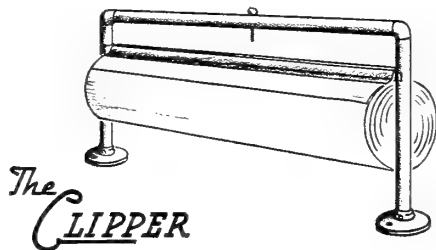
9x5x4".....per 100, \$5.25	12x5x4".....per 100, \$6.00
10x6x5½".....per 100, \$6.75	

**Design and Bouquet Boxes Mist Green.** Full Telescope.

24x14x8", per bundle of 50, \$15.85
30x14x8", per bundle of 50, \$16.85
36x14x8", per bundle of 50, \$17.85

5% discount on orders for 500 or more.

Printing at \$3.50 per 1000 or less for one color ink. Write for prices on white glazed boxes. They are made from coated board but have a laminated sheet of high gloss paper.



**PAPER CUTTERS CLIPPER TYPE.** One of the finest paper cutters made. 24" each, \$5.25; 30" or 36", \$5.50 each.

**FLORIST WRAPPING PAPER.** Green Say It With Flowers. Distinctive wrapping paper created for exclusive use of florists. Its extra strength and pliability insure neat appearing packages. The rich two-tone floral background and distinctive floral slogan makes every package wrapped in Floral Wrap an attractive package. Price per lb. 22½¢.

24" roll weighs approximately 35 lbs. 30" roll weighs approximately 40 lbs. 36" roll weighs approximately 50 lbs.

## PAPER—TISSUE, WAX

Prices on Paper Subject to Market Changes.

**Pure White Glazed Florist Tissue.** The best grade white glazed 11 lb. basis. 24x36 inches, F. O. B. Chicago, ream (480 sheets), \$2.95; 10 reams (4,800 sheets), \$27.50; F. O. B. New York, ream (480 sheets), \$3.10; 10 reams (4,800 sheets), \$29.00.

**White Wax.** Medium, 24x36 inches; F. O. B. Chicago, 480 sheets, \$3.35; F. O. B. New York, 480 sheets, \$3.50.

**Green Wax.** Beautiful shade light green, 24x36 inches, F. O. B. Chicago, 480 sheets, \$3.50; F. O. B. New York, 480 sheets, \$3.65.

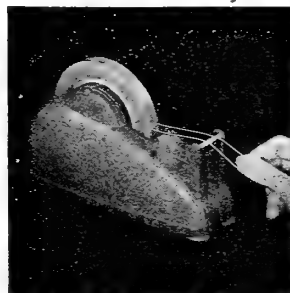
**Green Wax Tissue Rolls 3".** Handy wax tissue for all types of wire designs. Prices per box of 12 rolls, \$2.50.



**Waterproof Crepe Paper.** In green, pink, lavender, yellow, purple; per roll, 35¢.

**Florist-Foil.** Colored aluminum foil used for pot covers, etc. Rolls, 20 inches wide. Colors, violet, silver, gold, green, red, purple, fuchsia, pastel green, pastel blue, black and blue. Per 50-ft. roll, \$1.25; 10 rolls for \$11.60.

**Polka Dot Embossed Florist Foil.** In all colors. Rolls 20 inches wide, 50 feet long, each \$1.35, 10 rolls \$13.00.



**Scotch Cellulose Tape Transparent** ½ wide x 2592 inches, price per roll, \$1.28; 12 rolls at \$1.16 per roll; 48 rolls per roll, \$1.03.

**SCOTCH CELLULOSE TAPE DISPENSER.** Desk size, each, \$1.70; heavy duty, each, \$2.50; weight, 8 lbs.

**TWINE "The Queen" White Cotton Twine.** 3 or 4-ply. Put up in 5-lb. sacks, 30 balls to a sack, \$4.45.

Write for prices on larger quantities.

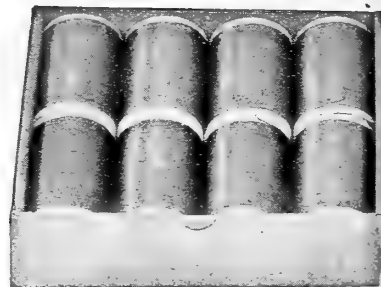
**Florists' Thread, Green.**

Best brand. Similar to Silkaline, 8 spools to a box. Per lb. box, \$1.75; 10 boxes for \$16.50.

**Green Twine.** Used for wrapping small packages —also for spray and design work. Put up in balls. 1-lb. box, \$1.35. 5 boxes at \$1.25 per box.

**Green Twine.** 2 lbs., per cone, \$2.50; 3 cones for \$7.25.

**Colored Scotch Cellulose Tape** ½ inch wide x 2592 inches. Per roll, \$1.42; 6 rolls, per roll \$1.28. Available in the following colors: Red, Blue, Green, Orange, Yellow, White and Silver.



## CELLOPHANE BAGS

Most popular sizes for corsage use No. 300 moisture proof and regular square top.

	Packing per Carton	Weight	Price per 1,000
4" x 2¾" x 9"	1000	10 Lbs.	\$ 9.50
5½" x 3¼" x 12"	1000	16 Lbs.	16.50
5" x 5" x 14¾"	1000	22 Lbs.	24.50

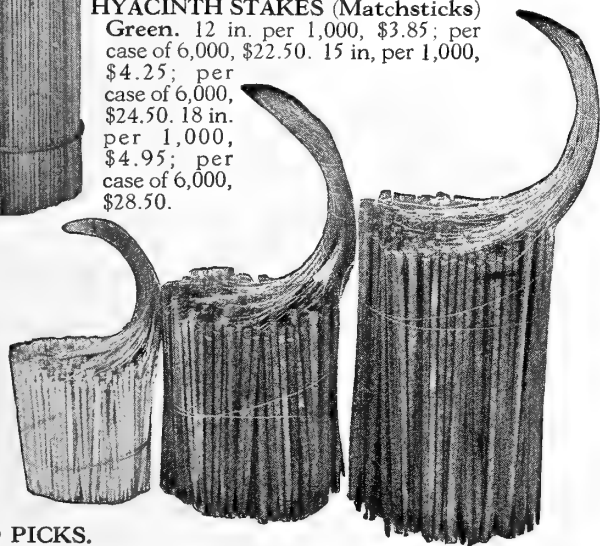
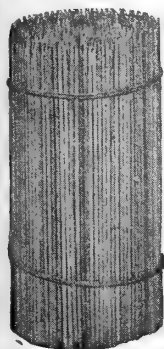
We do not break cartons.



**CARNATION PACK.** Your carnations deserve proper packing. Price 1,000, \$22.50; 5,000 for \$102.50; 10,000 for \$190.00; 50,000 for \$887.50. Sold only in original cartons of a full 1,000. Printing one color \$3.00 per 1,000 extra. 10,000 or more printed one color free.

**HYACINTH STAKES (Matchsticks)**

**Green.** 12 in. per 1,000, \$3.85; per case of 6,000, \$22.50. 15 in. per 1,000, \$4.25; per case of 6,000, \$24.50. 18 in. per 1,000, \$4.95; per case of 6,000, \$28.50.



**WIRED PICKS.**

2½-inch Plain, case of 50,000, \$20.95.....Box of 10,000 \$4.60  
3 -inch Green, case of 40,000, 27.95.....Box of 8,000 6.25  
4 -inch Green, case of 10,000, 10.75.....Box of 4,500 5.65  
6 -inch Green, case of 10,000, 13.95.....Box of 3,000 4.60

**UNWIRED PICKS.**

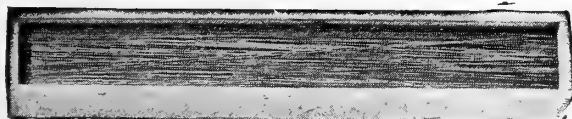
4-inch Green.....Box of 4,000 \$2.60  
6-inch Green.....Box of 3,000 2.60

**WIRE.** (Prices subject to change).  
Florist Wire on 12-lb. coils.

No. 18.....\$1.95  
No. 20.....2.20  
No. 22.....2.50  
No. 24.....3.00  
No. 26.....3.45  
No. 28.....4.25

**FLORISTS' CUT WIRE.** Clean, extra soft white wire, cut in 12 or 18-inch lengths, 12 lbs. to box.

No. 18 20 21 22 24 26  
\$2.00 \$2.30 \$2.40 \$2.60 \$3.00 \$3.45

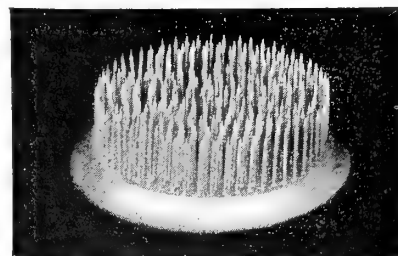


**PIN FLOWER HOLDERS**

Solid Brass Needle pointed nails.

Closely cast in heavy lead alloy base. Guaranteed not to rust. Sprayed with aluminum metallic paint.

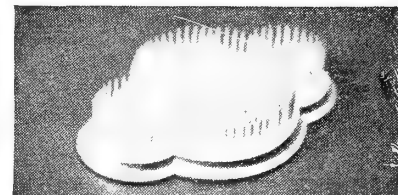
Size of Base	Price
No. Round Style Per Dz	
25-R 1¾"	\$1.75
40-R 2¾"	2.95
50-R 2¾"	3.50
80-R 3"	5.80
100-R 3½"	7.20



Three-in-one  
Oval style

60-O 2¼"x3½"	\$4.50
75-O 2½"x3¾"	5.60
150-O 3¾"x5"	10.80

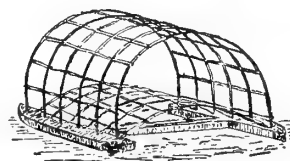
Gift Box Package No. 150G. contains one of each 25-R, 50-R and 60-O, per dozen boxes, \$10.85.



**PERFECTION FLOWER ARRANGERS**

All numbers packed in boxes of one dozen.

Size	Retail	Per doz.
Size #1, 3½"x2½"x2 in.	75c...	\$4.50
Size #2, 3½"x3 x3 in.	.85c...	5.15
Size #3, 2½"x2½"x2 in.	.50c...	3.50
Size #4, (for Sweet Peas, etc., ¼" mesh).	2½"x2½"x2 in.	50c...3.50



**GALVANIZED WIRE COILS.** Used for stringing benches in Carnation and Rose houses. No. 16, 100-lb. coil, \$12.80. No. 18, 100-lb. coil, \$14.25.

**BULL DOG CLIPS.** The clip with the grip. Per box of 1,000 clips, 75c; 10 boxes for \$7.00

Prices Subject to Change Without Notice.



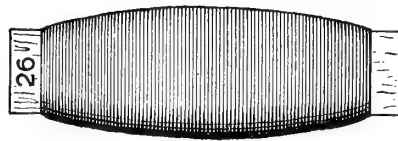
**FERN PIN.** New Philly.

The bend holds the leaves firmly; easier to handle. Per box, \$3.25.

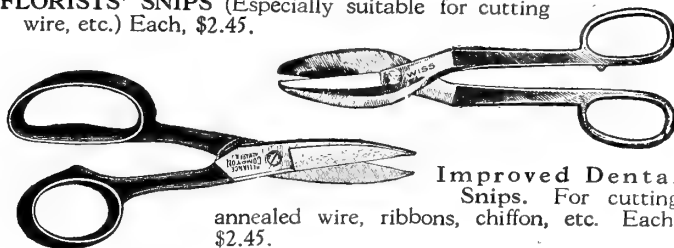


**MALINS EXTRA SOFT FLORAL BINDING WIRE.**

These sticks fit the hand. Handy for tying sprays, bunting, wreaths, etc. Put up in boxes of 20-¼ lb. sticks, total weight per box 5 lbs. #22, \$2.10 per box; #24, \$2.45 per box; #26, \$2.75 per box; #28, \$3.25 per box; #32, \$4.10 per box and #36, \$5.85 per box.



**FLORISTS' SNIPS** (Especially suitable for cutting wire, etc.) Each, \$2.45.



Improved Dental Snips. For cutting

annealed wire, ribbons, chiffon, etc. Each, \$2.45.

**FLORIST CARDS FOR ALL OCCASIONS**

Sympathy, get-well, birthday, baby, congratulations, and all holidays. Your own selection. Packed in packages of 25 of one style.

**CARDS WITHOUT CABINET.**

250 assorted at.....	\$1.25	1000 assorted at.....	\$3.25
500 " ".....	1.75	2000 " ".....	6.00

**WHITE ENVELOPES, PLAIN.** Size 2½"x4¼", packed 250 to a box. 250 for 95c, 500 for \$1.75, 1,000 for \$3.25.

# Wreath and Bouquet Materials

## Ribbons and Chiffons

We offer only the best grades especially adapted for Florists' use, but can also supply other grades not listed.

**Pattern 700 Facil-Fab Art Tye, No. 5 Radiance Ribbon.** Used for tying mats and crepe paper around pots, also used for making bows for baskets and wreath work. Put up in 50-yard spools. Comes in all colors. Per spool, \$1.45. Box of 20 spools at \$1.35 spool.



Radiance

**Pot Tie Ribbon.** A good grade of ribbon which can be used around pots, small corsages, etc. No. 5, 50 yard bolts in all popular shades. Price per 50 yard bolt, \$1.35; 20 bolt lots at \$1.30 per bolt.

**White Shower Ribbon.** Suitable for plant decorations, bridal sprays, etc.; white and pink. No. 2, spool of 50 yards, \$1.75; 10 spools for \$17.00.

**No. 1½ Baby Ribbon.** Any color. Spool of 100 yards, \$1.35, doz., \$15.00.

**Ribbonzene Crinkle Baby Ribbon No. 1.** For tying cards. All colors. 500-yard spool, \$1.35; doz. spools, \$13.80.



**Corsage Pins.** Pearl heads, finest made, assorted colors. Per gross, \$1.25; 10 gross for \$11.50.

**Metaline.** A fine quality spray ribbon. Assorted patterns in popular colors. Price per 40 yd. bolt, \$2.45; 10 bolts for \$23.00.

**Plastic Pot Tie Ribbon.** 100 yard bolts in following shades: light green, red, pink, yellow, white and lavender. Price per bolt, \$1.45.

**GYP SOPHILA** (Baby's Breath). Pure white double Colorado grown, large fluffy bunches. No florist should be without this handy fill-in for floral work or baskets. Price, per bunch, \$1.65; 10 bunches for \$15.50.

**COLORED GYP SOPHILA.** Rose-pink, orange, Nile green, yellow, blue, and violet. Per bunch, \$2.10; 5 bunches for \$10.00.



OAK SPRAY



GYP SOPHILA

**OAK BRANCHES, Prepared, Brown, Red and Green.**

Prices	Short	Long
10 lbs.	\$3.50	\$3.25
25 lbs.	8.25	7.50

Specify color when ordering.

## MOSS FILLED WREATHS AND DESIGNS

Machine made Sphagnum Moss filled designs always ready to use. NET Prices.



### Spray Bars

3½ ins. wide, 2 ins. thick	Length	Each	Length	Each
8 ins...	\$0.17	20 ins...	\$0.32	
12 ins...	.20	22 ins...	.35	
14 ins...	.22	24 ins...	.37	
16 ins...	.25	30 ins...	.41	
18 ins...	.29			

### Spray Bars

4½ ins. wide, 2½ ins. thick	Length	Each	Length	Each
18 ins...	\$0.41	36 ins...	\$0.71	
24 ins...	.50	42 ins...	.79	
30 ins...	.61	48 ins...	.85	

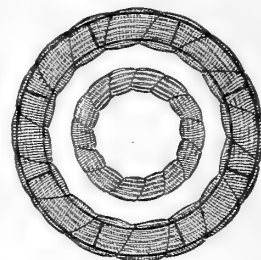
### Spray Bars

6 ins. wide, 2½ ins. thick	Length	Each	Length	Each
24 ins...	\$0.61	42 ins...	\$0.91	
30 ins...	.68	48 ins...	1.18	
36 ins...	.77			

### Crosses

Size	Each	Size	Each
18-in....	\$0.52	30-in....	\$0.96
20-in....	.58	33-in....	1.08
22-in....	.65	36-in....	1.55
24-in....	.73	42-in....	2.25
27-in....	.82	48-in....	2.65

Prices subject to change without notice



### Wreaths

Size	Each	Size	Each
10-in....	\$0.26	24-in....	\$0.70
12-in....	.30	27-in....	.85
14-in....	.36	30-in....	1.15
16-in....	.42	33-in....	...
18-in....	.48	36-in....	...
20-in....	.55	42-in....	...
22-in....	.62	48-in....	...

We have a limited supply of wire designs, wire baskets, easels and wreaths, and will fill orders while the supply lasts.

## LYCOPodium.

Prepared. 10 lbs. to carton, \$3.25; 25-lb. carton, \$7.95.

## STATICE NATURAL

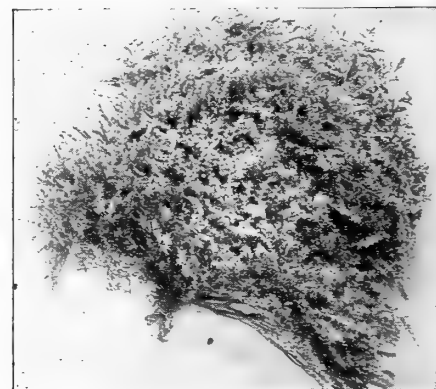
**WHITE.** Used extensively in Wreaths and Baskets. Natural per lb., \$1.10; 10 lbs. for \$9.50.

Write for prices on larger quantities.

**TIN FOIL.** 5, 6 or 7 inch, 1 lb., 35c; 25 lbs., \$6.75.

**Violet or Green Foil.**

Per lb., 50c; 10 lbs., \$4.50.



STATICE

## STAR FLOWERS (DIAMOND FLOWERS).

Small natural dried flowers, dyed in a variety of colors, suitable for all kinds of floral and decorating work. Can be had in the following colors, red, green, pink, yellow, dark blue, light blue, purple, lavender, orange, cerise, brown, dubonnet, orchid, salmon, autumn color and natural white. Packed 1 oz. to bunch, 16 bunches or 1 lb. to carton. Per carton, \$3.25.



**No. 610 WAX PAPER ROSES.** Natural imitation, on short wire stem; colors, red, pink, white, yellow. Packed 200 to box. Per box, \$8.00.



**No. 9C WAXED CARNATIONS.** Natural imitation, on wire stem; colors, red, pink and white. Packed 200 to box. Per box, \$8.00.





**WHITE WOOD EASELS.** Prewar style and quality, white wood, round beaded, enameled. Packed 12 to a carton. Packing cost, 50c per carton.

Height	Each
36 inch.....	\$0.55
42 inch.....	.85
48 inch.....	.95
54 inch.....	1.05
60 inch.....	1.15

*Father*

**GOLD SCRIPT WORDS.** Gold finish. In the following inscriptions: Mother, Father, Brother, Sister, Asleep, etc.; ten words in package. Price, per package of 10 words, 15c; per 100 words, \$1.40; per 1,000 words, \$12.00.

**GILT RIBBON LETTERS.** Gummed. 25 letters in a package in letters A to Z, figures 1 to 9. 1 1/4 in. Per 100, 25c; per 1,000, \$2.10.

**FLORAGLOW** New Beauty Treatment for your potted plants. Gives leaves a beautiful luster. Makes plants glow and grow! Price per case of 2 dozen 6 oz. bottles \$4.15; case of 12 quart bottles \$10.10; 1 gallon \$2.00.

**FLORAWAX.** A brand new emulsion to use on set pieces and corsages to produce transparent coating. Retards wilting. Set pieces now can stay crisp and fresh. Easy to use too, just dip and dry for 15 minutes. Complete directions on label. Florists have long been seeking such a product. A coating free from drawbacks. 5 gal. drum each, \$10.00.

## SPHAGNUM AND SHEET MOSS

**VAUGHAN'S  
CLEAN SPHAGNUM  
FOR FLORISTS**

**Burlapped Bales**

Prices Subject to Change Without Notice.

	Each	F. O. B. Chicago	F. O. B. Woods
1 to 5 bales.....	\$2.35		
6 to 10 bales.....	"	2.25, 10 Bale lots, \$1.95	
11 to 24 bales.....	"	2.10, 25 Bale lots, 1.85	

New York Prices 60c per bale higher. Cartage Free.

Sheet Moss green, Extra fancy large sacks for Windows, Baskets, etc. Per sack, \$2.75; 3 sacks, \$8.00.

Order Early as the Above Prices are Expected to Advance.

**RAFFIA.** Natural, Best Grade, F. O. B. Chicago. Lb., 65c; 5-lb. lots, per lb., 60c; 10-lb. lots, per lb., 55c; 25-lb. lots, per lb., 50c; 100 lbs., per lb., 53c. Bale lots (about 225 lbs.), per 100 lbs., \$52.00.

**Dyed**—Old gold, pink, purple, emerald green, dark red, bright red, black, navy blue, orange. Per lb., 95c; 5 lbs. at 90c; 10 lbs. at 85c; 25 lbs. at 80c. Samples on application.

**GRAFTING WAX.** Per 1/4-lb. bar, 30c; 1/2-lb. bar, 45c; 1 lb., 70c.

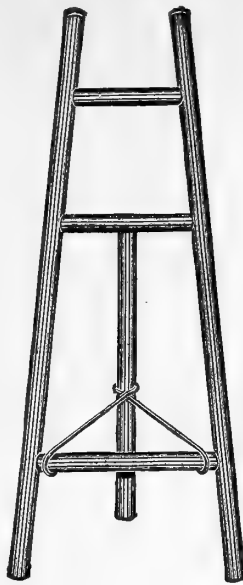
## TERRA COTTA GRASS GROWING HEADS



Heads should be soaked in water for 24 hours; also soak seed in separate dish over night. Fill the head with water and spread the seed very thickly all over head. Keep head filled with water at all times. In warm temperature seed may appear to be dry, if so, spray lightly with water using care not to wash seed off head. Keep in a saucer to protect the furniture.

We can supply "Sunny Jim" with seed, per doz., \$3.00, packed 24 to a carton at \$5.80 per carton. Retail at 40c each.

We can also supply the larger heads. "Bud-dy" with seed at doz., \$3.85; per carton of 24, \$7.20. Retail at 50c.



**SPHAGNUM MOSS.** Bright, clean, new growth, free from brush or grass, is being worked out in Wisconsin district. We quote L. C. L. lots as follows:

**Bales.** (45 x 14 x 16 inches). F. O. B. Wisconsin Points, For carloads. write us.

## Plants, Pots and Garden Labels

**ZINC TREE LABELS.** For an enduring label these are unsurpassed. They last for many years. Writing is done with an ordinary lead pencil; gets plainer with age. They are copper wired and measure 3/4 x 1/4 inch. Price per 100, \$1.95; 500 for \$9.00.

**COPPER LABELS.** Wired, indestructible. Per 100, \$1.95; per 1,000, \$17.50; larger size, per 100, \$2.35; per 1,000, \$21.00.

### EVERLASTING ZINC LABEL. A

permanent label; holds lead pencil marks permanently in all weather, one piece, 6 inches over all. Price per 100, 90c; 500 for \$4.00.



### LABELS (Pot).

We carry the best quality of Wooden Labels made. They are smooth, strong and neat, 5/8 inch wide.

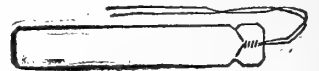
When ordering, specify pot labels or garden stakes, painted or plain.

	Packed to Carton	Plain, Per 1000	Painted, Per 1000
4-inch.....	1000	\$2.50	\$3.00
5-inch.....	1000	2.80	3.30
6-inch.....	1000	3.10	3.70
8-inch.....	500	4.50	5.70
10-inch.....	500	5.50	6.70
12-inch.....	500	6.50	8.00

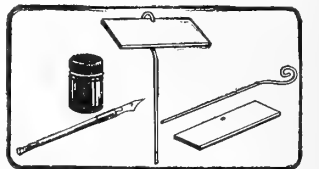
### GARDEN LABELS

	Packed to Carton	Plain, Per 1000	Painted, Per 1000
8-inch—1/8 inch wide.....	250	\$6.90	\$ 8.00
10-inch—1/8 inch wide.....	250	7.90	9.00
12-inch—1/8 inches wide.....	100	13.00	15.00

**LABELS (Tree).** Wooden, 3 1/2 in., copper wired. Per 1,000, plain, \$3.10; 5,000 to 9,000, per 1,000, \$3.00; painted, per 1,000, \$3.80; 5,000 to 9,000, per 1,000, \$3.75.



**ADAMS Garden Marker** is a weather-proof label of masonite, 1/8 inch thick, 1 x 3 inches, 1/8-inch thick, coated with aluminum based waterproof paint. It is held at the right tilt to be legible from standing position, on 10 1/2 inch metal stake with swan-neck locking curve. Kit of 24 markers with ink and marking pen, \$2.50; per doz. kits, \$20.00; 24 additional markers, without pen and ink. Price, \$2.00; doz. pkgs., \$16.00.



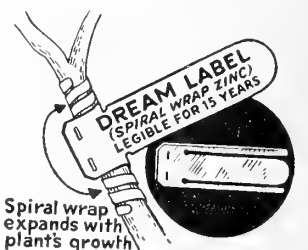
**LARGE KIT.** For commercial growers and nurserymen. Staffs 18 1/2 in. high with larger slabs 4x2 1/2 in. including weatherproof marking fluid and pen, per kit of 100, \$9.00.

### DREAM SPIRAL WRAP ZINC

**LABELS.** The only permanent label that expands as the plant grows. Size 1 1/4 in. x 4 in. The acid etched name and full record of plant (especially for roses, azaleas, trees, shrubs, etc.) plainly legible for 15 years. Eliminates all chance of girdling. Makes a wonderful non-rusting label for pots and perennial beds.

"KIT" size, 24 4-inch LABELS, one oz. of etching ink (enough for 200 labels) and a writing applicator for 85c; per doz. kits, \$6.80.

50 Zinc LABELS, one oz. of Etching Ink and writing applicator for \$1.50; doz. \$12.00. 1,000 Zinc LABELS, 5 oz. bottle of Etching Ink and applicator for \$14.95.



*Rose Los Angeles*

attaching, steel stylus for marking. per 100, \$2.75.



**WEATHER-PROOF PENCILS.** For marking labels. Will not rub off or fade. Each, 10c; doz., 90c; 6 doz., for \$4.80.

**No. 31 SIMPLEX.** Green Weather-Proof Plant Labels. Price includes copper wires for No. 31, size, 3x1/2 inch,

# Plant Stakes and Supports

## Wood Stakes, Green Painted

Medium weight pointed.

3 ft., per 100, \$6.25; 4 ft., per 100, \$9.35; 5 ft., per 100, \$11.95.

## Wood Stakes, Green Painted, Heavy Grade

4 ft., per 100, \$11.95; 5 ft., per 100, \$14.45; 6 ft., per 100, \$17.45.

## Bamboo Stakes, Plain and Green Painted.

	F. O. B. Chicago Per 100	Chicago Per 1000	Per Bale of 2000	F. O. B. New York Per 100	Per 1000
1½ feet.....	\$1.00	\$4.60	\$ 8.95	\$1.00	\$4.90
2 feet.....	1.20	6.25	12.00	1.20	7.00
2½ feet.....	1.35	7.85	15.00	1.35	8.20
Natural. 6 ft.....	2.50	18.00	.....	2.50	18.50
3 feet.....	1.65	9.35	18.00	1.65	9.75
3½ feet.....	2.00	11.00	21.50	2.00	11.50
4 feet.....	2.25	12.45	23.75	2.25	12.75

Write for price in bale lots

**Heavy Tonkin Stakes, Natural Colors.** Heavy weight bamboo. Entire stake same weight, does not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen. Lasts a lifetime.

Length	Diameter	F.O.B. New York Per 100	F.O.B. Chicago Per 100
4 ft.	½ to ⅝ inch.....	\$8.00	\$8.25
4 ft.	⅝ to ¾ inch.....	8.50	8.75
5 ft.	¾ to 1 inch.....	9.50	9.00
6 ft.	1 to 1 ¼ inch.....	10.50	10.00
7 ft.	1 ¼ to 1 ½ inch.....	12.50	12.00

## Galvanized Wire Stakes

	No. 8 ga. per 1000	No. 9 ga. per 1000		No. 8 ga. per 1000	No. 9 ga. per 1000
3 ft.	\$22.50	\$20.95	6 ft.	\$42.00	\$38.00
4 ft.	29.00	26.00	7 ft.	49.50	.....
5 ft.	36.00	32.00	8 ft.	57.50	.....

Prices subject to change without notice.

## PLANT TIES Lighting Wire.

Per box of 1,000, \$1.90; 5 or more boxes, \$1.85 per box. Shipping weight per box, 2 lbs.

## Eureka Stake Fasteners.

For roses, 'mums', etc., up-to-the-minute stake holder; hold stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price \$2.45 per 1,000. 5,000 for \$12.00. Samples mailed free.

**STAKE FASTENERS.** Ever-lasting, packed 500 to a box, per box, \$1.75; 10 boxes or more, \$1.65 each.

## TWIST-EMS

New handy utility plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they

cannot come unfastened. Tape protects stem against injury. For all types of plants and other vegetable crops. Price 4 inch per 1,000, 90c; 25,000 lots at 80c per 1,000; 8 inch per 1,000 \$1.65; 25,000 lots at \$1.55 per 1,000; 12 inch per 1,000, \$2.50; 25,000 lots at \$2.25 per 1,000; 16 inch per 1,000, \$3.50; 10,000 lots at \$3.20 per 1,000. Write for prices on larger quantities.

**TWIST-EMS ASSORTMENTS.** Assortment B contains 24 pkgs. of 125 8-inch. Retail at 35c per pkg. Price per asst., \$5.60. C asst. contains 24 pkgs. of 250 4-inch. Retail at 35c per pkg.; per asst., \$5.60. D asst. contains 24 pkgs. of 125 16-inch. Retail at 65c per pkg. Per asst., \$10.40.

**FLOWER TUBS "Richmond Style".** These are made of finest fir lumber, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Florists will find them ready sellers where a substantial yet attractive tub of moderate price is required. Prices F. O. B. Chicago. Prices subject to change without notice.

Inside top Diameter	Depth Inside	Price Each	Per Doz.
7 in.....	6 in.	\$0.95	\$10.20
8 in.....	8 in.	1.10	12.00
10 in.....	9 in.	1.35	15.00
12 in.....	11 in.	1.75	19.80
14 in.....	13 in.	2.45	27.60
16 in.....	15 in.	3.20	36.00

In lots of 12 tubs less 5%.

## JARDIERS, VASES, TUBS

**Jardier Pot Covers.** Popularize the potted plant—because they safeguard the appointments of the finest homes—table tops, linens, window sills—from soilage and overflowing saucers. These are inexpensive, yet take the place in beauty and service of expensive jardinières. Save time and labor over other methods of trim.

## PAPER MACHE CONTAINERS JARDIERS FOR STANDARD SIZE POTS



In Imitation of Pottery — Stucco Effect		No. Per Carton	Price Per 100
Sizes	Diam Top Inside		
No. 3.....	4 ¼ in.	100	\$ 6.50
No. 4.....	5 ¼ in.	100	8.50
No. 5.....	6 ¼ in.	80	11.00
No. 6.....	7 ¼ in.	50	14.00
No. 7.....	8 ¼ in.	35	22.00

(EXAMPLE: Use No. 6 Jardier for a 6-in. Pot.)

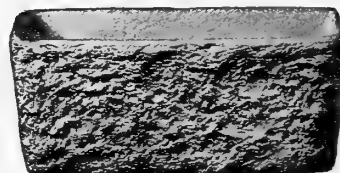
## VASES

No. 400 Rose Vase, Height 10 in., Top Diam. 5 in., per carton of 40, \$6.00.

No. 500 Spray Vase, Height 10 in., Top Diam. 7 ½ in., per carton of 18, \$4.50.

No. 700 Mum Vase, Height 13 ½ in., Top Diam. 9 ½ in., per carton of 12, \$6.00.

NOTE—No. 3, No. 4 and No. 5 Standard Jardiers are extensively used as "vases" for shortstemmed flowers.



No. 4 Jardier Bulb Box

## THE JARDIER BULB BOX

Here is the final solution to bulb and plant "box idea" and its many possibilities.

The Jardier box is absolutely waterproof. Place the soil and plants directly into the Jardier. It is the least expensive and most practical method of carrying out the beautiful box idea. Jardier Boxes are self-aerating—same as Jardier Vases—stimulating plant growth.

No. 4—12 in. long—5 in. wide—4 ¼ in. deep. \$20.00 per 100—50 per carton.

Standard Color—Green Special Color—White with Gold Trim.

**HYACINTH GLASSES (Vases).** Domestic, in following colors—Amber, Blue and Mother of Pearl Packed 3 dozen to a carton. Price per carton \$11.70 f. o. b. factory. Weight 20 lbs. per carton.

## A GOOD VARIETY OF SIZES IN THESE FLOWER VASES

And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.

Style	Diameter		Ht.	Price Per Doz.
	Top	Bot.		
253	4 ¼ in.	3 ½ in.	10 in.	\$10.65
255	6 ½ in.	5 ¼ in.	12 in.	11.35
257	6 ½ in.	5 ¼ in.	15 in.	12.50
57	5 in.	3 ½ in.	5 in.	7.00
59	6 ½ in.	5 ¼ in.	7 in.	9.30
65	7 ½ in.	6 ½ in.	8 in.	11.00
66	9 in.	7 ½ in.	10 in.	12.70
68	9 in.	7 ½ in.	12 ½ in.	15.95
68B	9 in.	7 ½ in.	15 ½ in.	17.95
69	9 in.	7 ½ in.	18 in.	18.60
70	9 in.	7 ½ in.	24 in.	22.75

Price Subject to Change.

## FLAT BOTTOM CEMETERY VASE No. 2A

Detachable stem. Packed 3 doz. to carton. Price per carton, \$4.25; gross, \$16.25. Weight per carton, 11 lbs.

## CONE SHAPED CEMETERY VASE No. 4

9 ½ in. deep, 5 in. in diameter at top. Stem or spike is 3 in. long, made of No. 9 gauge steel. Packed 3 doz. to carton, price per carton, \$4.25; per gross, \$16.25. Weight per carton, 12 lbs.



Hyacinth Glass



Galv. Vase



# FLORISTS' KNIVES, Etc.

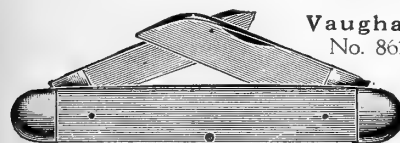
The Budding, Grafting, Pruning and Florists' Knives illustrated below are designed and made to meet the exacting requirements of nurserymen, orchardists, florists and gardeners who are extremely particular in the choice of their cutting equipment.



No. 5A                      Each      3 for  
Budding, No. 5A. Black handle; brass lined. . . . \$3.00    \$8.25  
Budding, Beech Wood Handle. Per doz., \$4.80. . . . 50    1.25

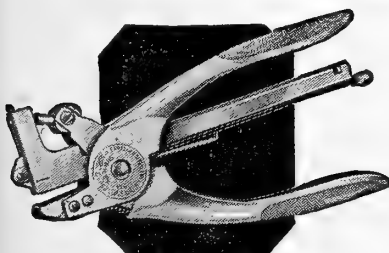
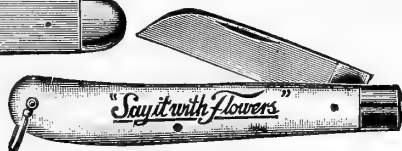


Vaughan's Florist (Patterned after Henckel's which cannot be had.)  
Vaughan's Florist—3 for \$6.50. . . . . Each, \$2.25  
Pruning, Stag handle. . . . . Each, 3.50  
Schrades Heavy Perfect Pruning Knives No. 123EW, similar to  
Henckel No. 3C. . . . . Each, \$3.25



Vaughan's Budding and Prop.,  
No. 86281, with Brass Caps, each,  
\$3.00; doz., \$33.00.

White Handle, No. 83023W, silver nickel  
shackle for chain attach.  
Each, \$2.25; 3, \$6.25.



## STAPLES

All Neva-Clog staples  
are sharpened at the points  
to make easy penetration  
of material. The forming  
is perfect and the cohering  
very strong to prevent  
strips breaking upon being  
handled at high speed by  
workman. Both lengths  
are 100 to a strip,  $\frac{1}{8}$ -inch  
crown, 1000 to a box.

A—1000  $\frac{1}{4}$ -inch legs.  
Per 1000, 35c  
L—1000  $\frac{3}{32}$ -inch legs.  
Per 1000, 35c  
10,000 lots, per 1000, 30c  
25,000 lots, per 1000, 27c  
50,000 lots, per 1000, 25c

## NEVA-CLOG STAPLING PLIERS

Florists Save Time and Make  
Money with Wide-Jaw Neva-Clog  
Stapling Pliers.

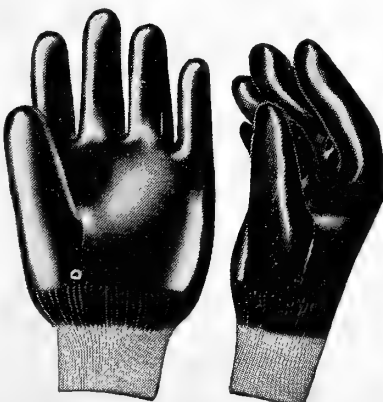
Florists' Model S100.

For wrapping plants and cut flowers,  
making up corsages, wreaths and light  
baskets, making paper flower pot  
covers, attaching delivery tags to  
plants and flowers, sealing seed and bulb envelopes and 101 other  
uses. Has  $\frac{3}{8}$ -inch jaw and uses  $\frac{1}{4}$ -inch and  $\frac{3}{32}$ -inch staples as listed  
elsewhere on this page. Price, each, \$4.50; 3 for \$12.50.



## FLEXIBLE RUBBER COATED GLOVES.

Made  
with new high tensile fabric  
construction and processed  
to provide the maximum in  
comfort, flexibility and  
wear. Coating is fully water  
and liquid proof. Oil and  
grease resistant. Provides  
complete hand protection  
against dirty, rough or  
harmful materials. Ideal for  
gardening and general work  
around the greenhouse,  
home or farm. Price per  
pair, \$1.00; per dozen pair,  
\$9.00.



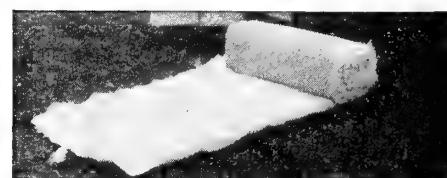
## HOT BED SUPPLIES

**HOT BED MATS.** For protecting Hotbeds, made of poplin,  
material, vat dyed and Sanforized to make,  
them damp proof, 40x76", price each, \$6.75;  
dozen, \$75.00; 76x76"  
price each, \$8.75; dozen  
\$99.00.



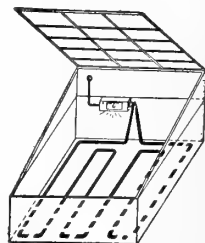
**VITAPANE GLASS  
SUBSTITUTE.** Crys-  
tal-clear transparent,  
durable, glossy material.  
Admits over 60% ultra  
violet rays for green-  
houses, hot and cold bed frames, hot houses, as plant protectors  
and everywhere glass is generally in use. Put up in 50-ft. rolls,  
36 inches wide. Price per roll, \$9.75; 5-roll lots at \$7.75 per roll.

**GLASS WOOL.** Pro-  
tection and perfect  
mulch for your  
prized Plants and  
Shrubs, has been  
proved superior to all  
other mulches for the  
winter protection of  
plants. A snowy  
white blanket composed of extremely fine glass fibres. Packed 12  
rolls to a carton, 24" x 96" in size, 192 sq. ft. Price per carton,  
\$11.25; three cartons for \$33.00.

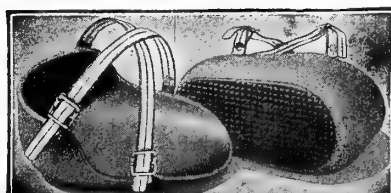


**CEL-O-GLASS.** Will take the  
place of glass in hotbed sash,  
unbreakable and very light in  
weight. Properly installed, Cel-  
O-Glass is guaranteed for 5  
years, will not break like glass  
or tear like cloth, flexible, easy  
to handle and install. Put up in  
rolls 3 ft. wide up to 100 ft. long.  
Price per 25-ft. roll, \$8.00; 100  
ft. roll, \$31.00. 28 inches wide,  
100-ft. roll, \$26.00.

**GRO-QUICK Electric Seed Bed Heater.**  
Soil heating cable and thermostat. Jr.  
package contains thermostat and 40 ft.  
200 watt cable for 3x6 ft. hot bed or 25  
square ft. of cold frame. Price \$5.95 ea.;  
3 for \$16.50. Sr. package contains ther-  
mostat and 80 ft. 400 watt cable for 6x6 ft.  
hot bed or 50 square ft. of cold frame.  
Price \$6.95; 3 for \$19.30. Jr. cable only  
price \$1.95; Sr. cable only price \$3.65.

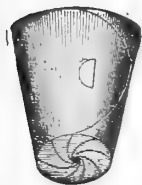


**ALUMINUM COLD  
FRAME.** This com-  
plete self-insulating cold  
frame, will be a boon to  
those unable to obtain  
standard glazed sash.  
Measures 3 by 6 ft.,  
divided into four sections,  
sash glazed with Vim-  
lite celanese plastic  
which admits ultra-  
violet rays and is hail  
proof. Made of 3-S Alu-  
minum. It is strong and  
rigid; yet sash are light  
and windproof. Packed  
in carton, weighing  
about 17 pounds, easily  
assembled in 10 minutes. F.O.B. Chicago, Ill., or New York City,  
each, \$18.75. Suburban Size same construction as above, 3x3 ft.  
Price, \$11.50. Weight, 11 lbs. packed. Add to units for either size  
above 3x3 ft., each, \$10.75.



## KNEE PADS

All rubber cushion pads  
constructed of solid and  
sponge rubber with adjust-  
able straps; fit any knee,  
will not slip during walk-  
ing. Price, \$1.60; 3 for  
\$4.50.



Prices on pots subject to change without notice

**IMPROVED NEPONSET PAPER FLOWER POTS.** The famous pot with a new use. A waterproof pot that can be used for growing plants, especially in the greenhouse where they have to stand continual watering from six to eight weeks. The ideal pot for transplanting and shipping. Unbreakable and much lighter in weight.

Size, inch	Per 100	Per 1000 F.O.B. New York	Per 1000 F.O.B. Chicago	Original crates hold	Gross wt. of 1000 pots about
2	\$0.80	\$ 6.85	\$ 6.85	1,000	10 lbs.
2 1/4	.85	6.85	6.85	1,000	12 lbs.
2 1/2	.95	6.90	6.90	1,000	16 lbs.
3	1.35	7.30	7.30	1,000	24 lbs.
3 1/2	1.50	9.65	9.65	1,000	34 lbs.
4	1.60	11.55	11.55	500	46 lbs.
5	2.25	14.15	14.15	500	75 lbs.
6	2.70	17.65	17.65	500	102 lbs.

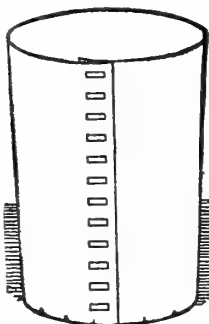
**NEPONSET GREEN POTS—For Growing.** This new development makes it possible to take advantage of the economy, ease and convenience of paper pots for the full growing period of young plants without any damaging or retarding of root growth. In fact, the special waterproofing treatment of these pots seems to encourage healthy growth.

Size	Per Case	Per Carton	Price per Carton	Price per Carton
	Quan.	Ship. Wt.	F.O.B. N.Y.	F.O.B. Chi.
2 inch	1,000	14 lbs.	\$10.45	\$10.45
2 1/4 inch	1,000	16 lbs.	10.80	10.80
2 1/2 inch	1,000	22 lbs.	11.50	11.50
3 inch	1,000	28 lbs.	13.15	13.15
4 inch	500	26 lbs.	10.15	10.15
5 inch	500	44 lbs.	13.80	13.80
6 inch	500	62 lbs.	17.85	17.85

**CLOVERSET PLANT POTS.** An improved pot or container made of tough asphalt-coated laminated waterproof fibre stock, closely riveted so that it will stand much handling; made in four sizes, packed 100 to a carton.

#### Standard Heavy Weight Cloverset Pots

No.	Height	Diam. Top	Diam. Bottom	Weight per 100	Per 100	Per 1,000
0	5 in.	5 in.	4 1/2 in.	35 lbs.	\$3.00	\$27.50
1	6 1/4 in.	6 in.	5 1/2 in.	52 lbs.	4.25	40.00
2	9 1/4 in.	7 in.	6 1/2 in.	77 lbs.	4.75	45.00
3	9 in.	8 in.	7 1/2 in.	88 lbs.	5.25	50.00



Cloverset Plant Pots

Above prices are F.O.B. Kansas City. Freight will be added when shipped from Chicago.

### BIRD GROWTH-STIMULATING PLANT BANDS

A band for every purpose. Units of 1,000 only. **Vita-Band 40.** Designed for all-around use, especially for long growing periods. Ideal for carnations. . . . Treated with nutrients to assure vigorous, well-balanced growth. A heavy and sturdy plant band.

Per 1 1/4 x 1 3/4 x 2 1/2 2x2x2 1/2 2x2x3 2 1/2 x 2 1/2 x 3 3x3x3  
1,000 \$4.90 \$5.40 \$5.90 \$6.95 \$8.10

**Vita-Band 10.** Also designed for growing periods up to 8 or 10 weeks. Has the same quick set-up and fast handling features without nutrient treatment. A low-priced band giving satisfactory results for the shorter growing periods. May require an occasional liquid feeding.

Per 1 1/4 x 1 3/4 x 2 1/2 2x2x2 1/2 2x2x3 2 1/2 x 2 1/2 x 3 3x3x3 4x4x3 4x4x4  
1,000 \$3.35 \$3.65 \$4.15 \$4.75 \$5.65 \$7.35 \$8.95

The above plant bands made of fibre-resin materials developed by extensive research work. Tested and proved under all growing conditions by successful greenhouse operators.

### WOOD VENEER PLANT BANDS

Used by the largest growers for vegetable plants, perennial plants, carnations, snaps and stocks. For transplanting in greenhouse or outdoors.

	Packed 1000 to carton.	Weight per 1000	Price per 1000
2 x2 x2 1/2			\$4.35
2 1/2 x2 1/2 x2 1/2			4.65
2 x2 x3		16 lbs.	4.50
2 1/2 x2 1/2 x3		20 lbs.	4.90
3 x3 x3		21 lbs.	5.35
3 x3 x4		32 lbs.	5.65
4 x4 x4		40 lbs.	6.50



### SEED FLATS

Made from clean Ponderosa Pine, knocked down, put up in bundles of ten flats each.

	Inside Dimensions	Per Bundle of 10
No. 3	21 1/2 x 14 x 2 3/4 inches	\$4.35
No. 3-A	21 1/2 x 14 x 3 3/4 inches	4.75
No. 4	24 x 15 x 2 3/4 inches	4.95
No. 4-A	24 x 15 x 3 3/4 inches	5.35

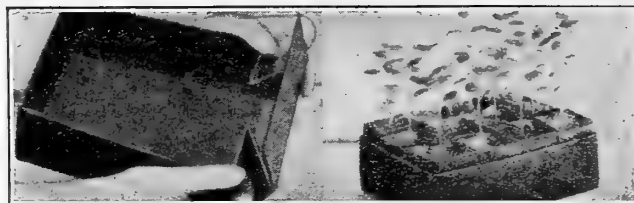
### PANSY BASKETS

Price, 1 qt. size, 500 for \$13.25; 1000, \$26.00.

Price, 2 qt. size, 500 for \$14.75; 1,000 for \$28.00; 3 qt. size, 500 for \$16.50; 1,000 for \$31.00.



**SIEVES.** For sifting soil. 18 inches in diameter, all sizes mesh from 1/8 to 1/2 inch. Each, \$2.25.



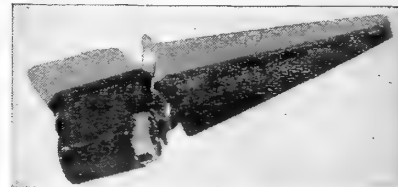
### NEPONSET "TOM THUMB" FLATS

Made of heavy fibre resinous material. Easily set up. Comes in two sizes to hold either a dozen 1 1/4-inch bands or a dozen 2-inch. You will find these ideal for counter sales of bedding or vegetable plants. Price, size No. 1, \$35.80 per M; complete with 12,000 No. 10 bands, \$71.95 per M; size No. 2, \$39.85 per M; price complete with 12,000 No. 10 bands, \$79.80 per M; f.o.b. East Walpole, Massachusetts.

### VIBRA-SEEDER.

A battery operated flower and vegetable seeder for commercial and home gardeners—fits palm of hand—will sow row or flat in fraction of time normally required. Operating cost one flash light battery per season.

A real time, labor and seed saver. Price each, \$1.95.



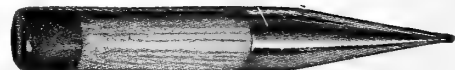
### New Handy Seeder

This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and chinking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 50c, postpaid; three for \$1.45; doz., \$5.40; retails at 60c each.



### STAINLESS STEEL DIBBLE.

Made of pure stainless steel. Outwears any other dibble made. Ease of use increases production as much as 10%. Added feature is the soil free angle which relieves the soil and prevents clinging to point. Price each, \$1.50; postpaid, \$1.60.



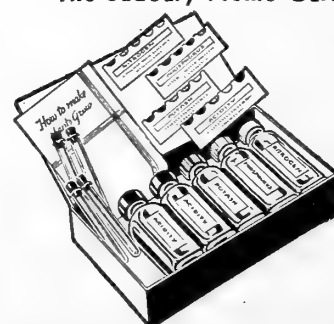
### The Sudbury Horticultural Soil Test Kit, \$12.50

The Sudbury Horticultural Soil Test Kit makes instantly available the essential information you require for gardening success. With it you can make quick practical tests which will show the acidity of your soil and any possible deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Sudbury Soil Test Kits are used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. The Sudbury Horticultural Kit, complete with instructions and table of plant needs, \$12.50.

**The Sudbury Improved Professional Soil Test Kit—Contains enough material for 200 individual tests. Price, complete with instructions, \$22.50.**

**Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., \$1.00; 6 oz., \$2.00.**

### The Sudbury Home Gardener's Soil Test Kit, \$2.50



This simple, practical easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greens-keepers throughout the country. The Home Gardener's Kit tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your soil to the requirements of your plants and grasses. No technical skill required. Results of tests are apparent immediately.

**\*The Sudbury Home Gardener's Soil Kit.** Complete with instructions and table of plant needs, retail at \$2.50; six for \$10.00.

**New Club Model Kit.** An inexpensive kit cased in attractive imitation leather; makes a wonderful gift, each, \$4.75; 3 for \$9.50.



## Glazing Materials

**GARLANITE.** The original white glazing compound, remains soft and flexible, easy to apply and to remove. Price 55 gal. drums at \$3.55 gal. 5-gal. kegs, \$18.50; gal. cans, \$3.80. 10 gals. or more prepaid.

**GARLAND WHITE SHADING COMPOUND.** 25 lbs. is equivalent to 2 gals. 25 lbs., \$4.00; 50 lbs., \$7.75; 100 lbs., \$14.00; 350 lbs., \$45.50; 500 lbs., \$60.00, green 1c per lb. higher, F.O.B. Chicago or Cleveland, O. 100 lbs. or more, freight prepaid and shipped from factory.

**TAMM'S SHADING COMPOUND.** Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, per 100 lb. bag, \$11.00; Barrel of 400 lbs., \$36.00. Green, 2c per lb. higher.

**VAUGHAN'S GREENHOUSE BULBING CEMENT.** A pure asphalt glazing compound for greenhouse use. Will not crack or run and adheres to all glass and framework or sash. One gallon to 300 lineal feet. Apply with Mastica Machine or Bulber. 60, 40 and 20-gal. drums at \$1.10 a gal.; 10 and 5-gal. drums at \$1.25 a gal.; 1-gallon can, \$1.65.

**MODEL "O" SAFETY GLAZING GUN.** Grats with 40 or 60-gal. drum of glazing cement. Each, \$4.75.

**VITAPLASTIC GREENHOUSE MAINTENANCE PRODUCTS, Vita Bar Seal Paint.** Effectively seals and protects Greenhouse Bars, having excellent durability and adhesion to both bars and glass due to the exclusive use of Vitaloid. 5 gallons, \$27.50.

**Vita Bedding Compound.** An excellent elastic compound for rebedding. 5-gal. pails, \$21.25.

**GLAZING PUTTY, Gun Grade.** A superior grade which will not dry out and crumble. Seals tight, remains soft and pliable. Gal., \$3.35; 5 gal. can, \$16.00; 30 gal. drum, \$90.00.

**PUTTITAPE.** 1½ in. width. A wonderful new method of glazing. New ever-soft gum now mounted on tape made of lead foil to protect it. Comes to you in handy rolls. Just unroll on the sash and bars. Price per roll of 125 ft., \$3.75; 1000 ft., \$30.00.

**PUTTIROPE.** A great new improvement for glazing and caulking, easy to apply, won't deteriorate, run or get brittle. Put up 500 ft. to box, price per box, \$2.50.

**NU-PUTTIE.** This superior putty will not dry out or crumble. Seals tight, remains pliable. Can be used for glazing, sealing and caulking. Natural color light grey. Gun grade per gallon, \$2.75; 5 gals. for \$12.00; 55 gal. drum for \$110.00.

**Knife Grade,** 25 lb., drum for \$4.25; 50 lb. drum for \$7.50; 100 lb. drum for \$14.00.

**PUTTY KNIFE, No. 120.** A very good tool. Each, 50c; 3 for \$1.35.

**GLAZING POINTS, Vaughan's Perfection—No rights or lefts.**

No. 2. For large single thick glass.  
No. 2½. Double thick, for greenhouses and skylights.  
No. 2. Price, per lb. (about 900), 65c; in lots of 5 lbs., 60c per lb.; No. 2½. Per lb. (about 800), 65c; 5 lbs. at 60c per lb.  
Write for prices in larger quantities.

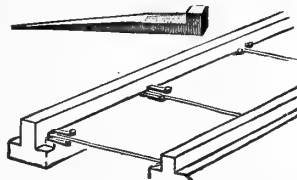
**SIEBERT'S IMPROVED.**

Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out in repairing greenhouse roof.

Two sizes, ⅝ and ⅞ in. long, put up in 1-pound packages. Over 1,500 points in 1-lb. pkg. of ⅝ in.; over 1,000 points in 1-lb. pkg. of ⅞ in. Price: per lb., 55c; 5 lbs., \$2.50; 20 lbs., \$9.25.

**PUTTY BULB, Scollay's.** A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, \$1.50; 3 for \$4.35; doz., \$15.00.

Prices subject to change without notice.



**VAUGHAN'S  
PERFECTION  
GLAZING POINTS**

**CUPRINOL SPECIAL.** A special grade for dipping of flats and stakes. 5 gal. drum, \$11.75; 50 gal. drum, \$110.00.

**CUPRINOL WOOD PRESERVATIVE.** Stops rot around the greenhouse. One gallon covers and preserves approximately 400 sq. ft. of wood. Price per gallon, \$3.45; 5 gals. for \$16.75; 50 gal. drum, \$155.00.

**MT. BEACON SHADING COMPOUND.** Green, gal., \$4.30; 5 gal. drum, \$19.50; complete directions on each container.

**Glass Cutter  
Trojan Roller**  
Type. Doz., \$2.85; each, 30c.



## Thermometers

**THERMOMETERS. Tin Case.** Standard grade (tested). 12 inches. Guaranteed accurate tin case thermometers, black oxidized metal scale, heavy magnified easy reading tube, each, \$3.00; 3 for \$8.75; doz., \$33.00.

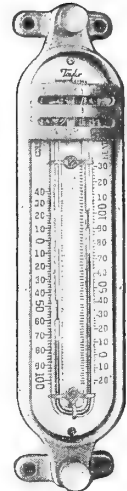
**Self Registering Tycos.** No. 5452, with magnet. 10 in. Maximum and minimum registering thermometers mounted on substantial plastic frame, guaranteed accurate, complete with magnet, each, \$10.00.



Taylor Utility



Tin Case

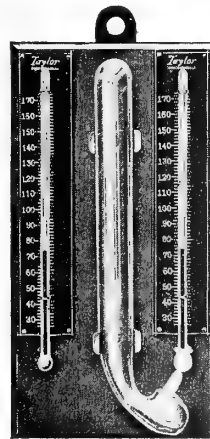


Self Registering



Hotbed

**Taylor Utility Thermometer.** White vitreous enamel scale, black figures and graduations; easy reading red permacolor tube which will not fade; prongs on top and bottom for easy mounting, about 8 inches. Each, \$1.50; three for \$4.25; doz., \$16.00.



**Hotbed (Mushrooms).** All glass heavy plain, each, \$1.50; 3 for \$4.25.

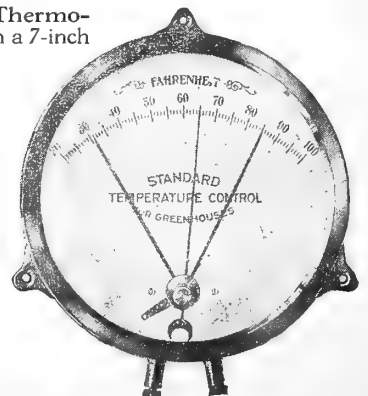
## No. 5534-S HUMIDIGUIDE

Permacolor tubes with magnifying lens, indoor temperature range. Scales have burnished metal figures and graduations on a polished lacquer background. Frame is mahogany bakaite with revolving humidity table and easy filling reservoir. Each in attractive box complete with spare wicks and instructions. Each, \$5.75. Wicks for Humidiguide, per dozen, \$1.50.

**Standard Recording Thermometer No. 200.** Furnished with daily chart No. 3 or weekly chart No. 2. Range of temperature 20° to 120° F. Price, \$60.00.

**Standard Greenhouse Thermostat.** No. G. H. 4, arranged in a 7-inch enameled, hermetically sealed metal case supplied with padlock and key. Contact hands when set can be changed only by person having key. Price, \$22.00. Shipping weight, 4 lbs.

**Standard Greenhouse Thermostat.** No. G. H. 3, enclosed in 6-inch non-rusting metal case. Contact hands are set by a stud extending through the glass. Price, \$17. Shipping weight, 2 lbs. Prices do not include wire, batteries or bell.



# Hose and Sprinklers

## "AMEPCO"

### GUARANTEED PLASTIC AMBER HOSE

Clear amber greenhouse hose, kink proof, crack proof, light as a feather, guaranteed for 5 years, equipped with precision machined fittings. A miracle of modern chemistry, a guaranteed plastic, originally designed and used for oil and fuel lines in war plants and battleships. The weather elements will have no effect and will not deteriorate this hose. Weighs only 25% of ordinary rubber hose making it very easy to carry where necessary.  $\frac{3}{4}$  inch amber, price, 50 ft. length \$17.50 each, coupled.

**VAUGHAN'S SPECIAL GREENHOUSE HOSE.** Full  $\frac{3}{4}$ -inch pre-war quality, a tough strong heavy pliable hose for high pressure syringing, etc. Uncoupled, per ft., 30c; 50 ft. lengths coupled, \$15.75.

### VAUGHAN'S $\frac{3}{4}$ INCH WATER

**HOSE.** This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. Price 24c per foot. Couplings, 45c per set extra. This hose can be furnished in any length.  $\frac{5}{8}$  in. Single Braid Hose. Price, per 50 ft. length, \$6.25. Price,  $\frac{3}{4}$  or  $\frac{1}{2}$ -inch couplings, 45c per set.



### SWAN DOUBLE BRAID GREEN GARDEN HOSE.

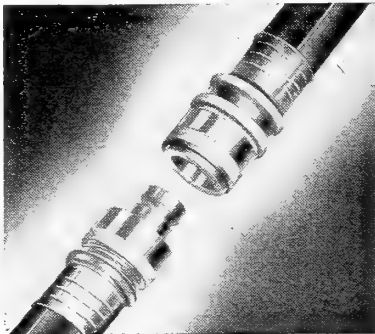
Full  $\frac{5}{8}$  inch. This hose is guaranteed for 15 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene. Equipped with nickel plated maxivolume coupling. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. 50 ft. length retails for \$9.95, per bale of 5—50 ft. lengths, \$33.95.

**SWAN BLACK SINGLE BRAID HOSE.** Full  $\frac{5}{8}$  inch. Same construction as above. Guaranteed for 5 years. 50 ft. length weighs 14 lbs. 50 ft. length retails for \$7.45, price per bale of 5—50 ft. lengths, \$24.70.

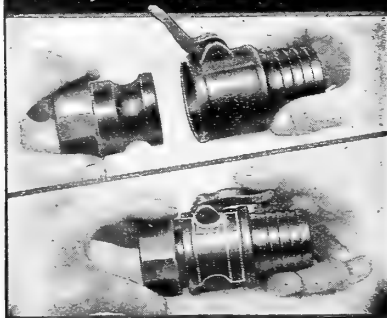
### THE NEW CRESCENT

#### HOSNAP COUPLING.

Screwing of couplings and twisting of hose eliminated. This coupling operates by merely pushing in. It locks quickly. Can be removed simply by pushing down collar. Made of brass. Price each, 85c; doz., \$9.00 6 doz. lots, doz., \$8.40. Male ends per dz. \$3.80.



**JUST PRESS THE LEVER—**  
Instant, tight connection—  
a great time-saver!



**SPRAY HOSE.** For high pressure spraying.  $\frac{3}{8}$ -in., per ft., 30c;  $\frac{1}{2}$ -in., per ft., 35c.

#### HOSE COUPLING,

##### Improved Ever-Tight.

No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 75c; doz., \$7.80. Faucet ends per doz. \$4.20.

#### HOSE STRAPS, Cald-

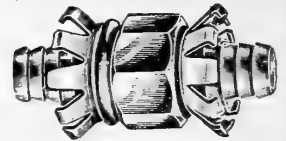
well. For  $\frac{1}{2}$ ,  $\frac{3}{4}$  and 1-inch hose. Dozen, 50c; gross, \$4.80.

**BRASS CLINCHER HOSE COUPLING.** Tight grip, will not leak, easily applied. Made with dark green plastic body. The heavily plated fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 40c; doz., \$3.60.



#### Brass Clincher Hose Mender

Price each, 15c;  
doz., \$1.35.



#### JUSTRITE BRASS HOSE NOZZLE

For lawn and garden, can be changed from fine spray to stream.  $\frac{3}{4}$  inch, each, 85c; doz., \$7.80.



**Paradise Syringing Nozzle.** 10-inch, each, \$3.20; 18-inch, each, \$4.20; extra tips, each, 35c.

#### HOTHOUSE SPRINKLER

All brass, distributes water evenly;  $\frac{3}{4}$  inch connection; 3 inch face, each, 75c; 4 inch face, each, 95c.



#### ROSS SEEDLING SPRINKLER

This fog rose spray will lay a dew on young plants. It breaks the water into a fine fog.  $\frac{3}{4}$  inch hose threads. Each, \$1.35.



#### SCOLLAY'S FAMOUS FLORISTS' SPRINKLER.

We Are General Western Agents.

None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Large size, plain top, No. 1, 6 in. high, each, \$1.50; 3 for \$4.35; doz., \$15.60.

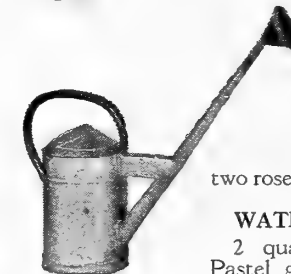


#### PROFESSIONAL WATERING POTS

For Florist's, Nurseries, Seed Growers and Estates.

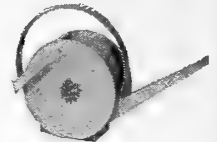
8 qt. size, \$7.95; 10 qt. size, \$8.35.

12 quart size, round, heavy watering pot with long spout and two roses, with brass handle. Price each, \$9.00.



#### WATERING POT

2 quart home size. Pastel green with rose design, for watering house plants. Each, \$1.75, dozen, \$14.00.



#### ROSS SQUARE SPRAY HEADS FOR SCIENTIFIC SPRINKLING

It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for  $\frac{1}{2}$  in. pipe, capacity  $3\frac{1}{4}$  gals. per minute. Has a slotted adjusting screw to control the area of the spray.

54A. Price, per doz., \$6.00. 64A.  $\frac{1}{2}$  or  $\frac{1}{4}$  circle heads. Doz., \$6.00.



#### SOIL SOAKER

Irrigation hose for deep soaking. No. 0—12 ft., each, \$1.20; six for \$6.30. No. 1—18 ft., each, \$1.60; six for \$8.70; No. 2—30 ft., each, \$2.35; six for \$13.20; No. 3—50 ft., each, \$3.75; six for \$20.90.

#### EROSIONET

Use Erosionet for New Lawns, Weak Lawns, and Stubborn Terraces.

Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it



almost invisible. Can be removed when grass becomes  $2\frac{1}{2}$  in. high. Width, 45 inches. Price per yd., 22c; 100-yd. lots, 20c per yd.; rolls of 250 yds., 19c per yard.



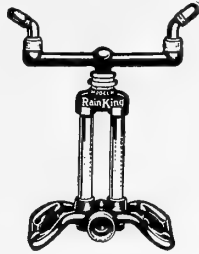
### RAIN KING ADJUSTABLE HOSE NOZZLE



Can be adjusted from fine spray to stream.  
Retail, each, \$1.35; doz., \$10.80.

### RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11¼ in. tall; 9¼ in. from nozzle to nozzle. Price each, \$6.75; 6 for \$27.00, per doz. \$50.64. Shipping weight, 5 lbs. each.



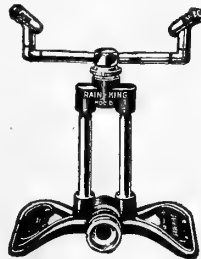
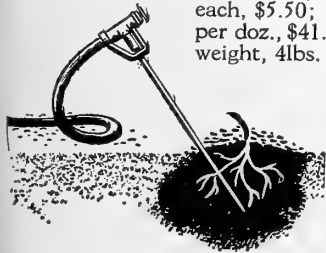
### RAIN KING SPRINKLER MODEL K

Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, \$7.75; 6 for \$31.02, per doz., \$58.08. Shipping weight, 5 lbs. each.



### RAIN KING SPRINKLER MODEL D

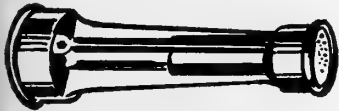
Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each, \$5.50; 6 for \$22.02, per doz., \$41.28. Shipping weight, 4lbs. each.



### ROSS ROOT FEEDER.

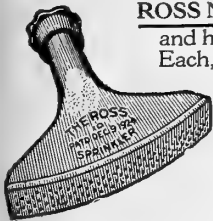
Irrigates and feeds at the same time. Pointed tube easily thrust into ground to reach root area. With 12 nutrient cartridges complete, \$3.50, 6 for \$14.00. Doz., \$25.20. Extra cartridges, carton of 12, \$1.00, doz. cartons, \$7.20.

### HAYES SPRINKL-AIR NOZZLE



Mixes air into water flowing through garden hose . . . almost magically changes harsh, stinging streams to soft, lacy, beneficial "Rain". SPRINKL-AIR'S flow falls lightly onto freshly seeded lawns and gardens—no washing away of earth and seeds, no damage to tender seedlings and tiny plants. Price each, 69c; per doz., \$5.60.

**ROSS No. 10 SPRINKLER.** Is preferred by growers and home owners; capacity seven gallons per minute. Each, \$1.10; doz. \$10.00.



### LINCOLN PARK OR BUTTERFLY

Cheapest and best sprinkler made. Each, 90c; doz., \$9.00.

Mounted on stand: 2-foot, \$2.25; 4-foot, \$2.50; 6-foot, \$3.00.



**HOSE WASHERS.** ¾-inch. Doz., 10c; gross, 60c.

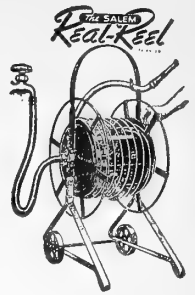
**LONN WATER SAVER.** For ¾ in. connections, has automatic positive valve water shut off. Each, \$1.50.



This light weight, yet durable tube, makes it easy to apply water to the garden soil exactly where needed, without wetting foliage or flowers, and without washing soil away from surface roots. Each \$3.00; doz., \$24.00.

### REAL-REEL

The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable. Price each, \$14.95 in lots of 4 when purchased for resale, \$10.00 each.

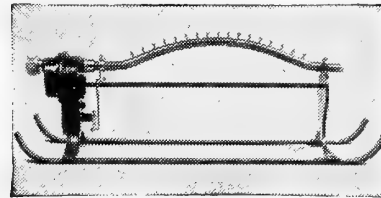


### NATURAIN PERFORATED PIPE

Made of durable aluminum and stainless steel. Each section 5 ft. long, weight less than a pound. Ordinary pressure will throw water 20 feet. Extra 5 ft. lengths can be connected with a twist of the wrist. Primary unit with hose connection, retails at \$2.95; per dozen, \$23.60; Secondary unit, retails at \$2.75; per dozen, \$22.00. With ordinary pressure five units can be used.

### AVON LAWN AND GARDEN SPRINKLER

This type sprinkler is highly recommended by expert landscapers and nursery men. Its unique principal of oscillating back and forth enables one side of area covered to absorb while the other side is being irrigated. This principal prevents wash out or uneven distribution. Size 21"x6½"x7", mounted on sled like frame that moves with ease by pulling hose to change its position. Covers about 1500 sq. ft. or more depending on water pressure, in a rectangular area 30 ft. on either side



and 30 ft. in width. Price each, \$15.00, 3 for \$40.50.

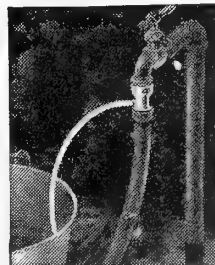
### CRYSTAL FERTILIZER DISPENSER

**Liquid Food for Lawns.** Greens keepers of golf clubs keep their fairways and putting-greens growing by applying plant food dissolved in water during the summer. This spreads food evenly, and makes it instantly available. The Crystal Fertilizer Dispenser enables amateurs to use the same method. Soluble plant food in the container, illustrated, is mixed with the hose water in a perfectly safe proportion, which insures against burning. It can be connected between the hose and your regular lawn sprinkler, or a sprinkling attachment can be supplied which will spread the water and plant food over an area of 400 square feet, in gentle rain-like spray. Crystal Fertilizer Dispenser retails at \$3.95; 6 for \$15.80. With Sprinkler nozzle as illustrated, No. 510, retails at \$4.45; 6 for \$17.80.



### FERTILIZER APPLICATOR (Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, \$1.75; postpaid, \$1.85.



# New Greenhouse Insecticides

**PLANTHION TECHNICAL (95% PARATHION).** The pure chemical sold to growers for filling their own aerosol bombs. Price per lb. package, \$10.00.

**PLANTHION 15% WETTABLE POWDER PARATHION.** Good control of Cyclamen Mite, Red Spider, Thrips, Aphids, and various nematodes. Price per 4 lb. bag, \$7.00.

**PLANTHION DUST 2% PARATHION.** Ideal for control of most ornamental insect pests. Specially adapted for use in cheese cloth houses and outdoors. Price 25 lb. drum, \$10.00; 50 lbs., \$18.00.

**PLANT MILDEW SPRAY.** Newest most effective fungicide for powdery mildew giving excellent control of mildew on roses. 1 lb. makes 400 gallons of spray. Price 1 lb., \$5.00; case of 12 packages, \$52.00.

## All Forms of D. D. T.

**D. D. T. 50% WETTABLE DUST.** For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 8 oz., retails 50c; per doz., \$3.80; 1 lb. retails 90c, per doz., \$6.60; 4 lb. bag, \$1.85; 48 lbs., \$16.80.

**D. D. T. 30% LIQUID SPRAY.** D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Gal., \$6.50.

**D. D. T. HOUSEHOLD SPRAY.** An oil spray for lasting control of pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Pints per doz., \$3.60; qts. per doz., \$4.80; gals. per carton of 4-1 gals., \$4.80.

**D. D. T. 5% DUST.** A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. retails, 35c; per doz., \$2.80; per carton of 24, \$5.40; 25 lbs., \$3.25; 50 lbs., \$6.00; 5 lb. pkg., retails, \$1.25; per doz., \$10.00.

**D. D. T. AEROSOL BOMB.** When released from the bomb in five to seven seconds, non-poisonous Freon gas impregnated with 3% D. D. T. and 2% pyrethrum, both deadly to insects, completely fills a room, killing insect life and leaving a deadly deposit which will protect from pests for weeks. Moths, mosquitoes, roaches, flies and other household pests are exterminated. Safe to use and harmless to clothing and furniture. One bomb will last the average household months. Aerosol bomb, contents 16 oz., retails, \$3.00; six for \$13.50; per carton of 12, \$24.00.



**90% WETTABLE D.D.T.** Wettable powders of D.D.T. have usually caused white deposits. These can be cut almost in half by using our new 90% wettable D.D.T. Does everything a 50% powder does, without its disadvantages. A high grade of Technical D.D.T. is used in its preparation, ground extremely fine. 4 lb. bag for \$5.00; 12 bags to a case for \$36.00.

**VAPOTONE.** Contains Hexaethyl Tetraphosphate. Particularly effective against Red Spider aphids and many other insects. Price gal., \$11.90.

**ISOBROME.** Soil Nemocide and Insecticide. For control of most nematodes and soil insects. Price per 5 gal. 40 lb drum \$16.00; Larvjector, \$29.50. Treats 1800 square feet.

**BENZO-FUME PRESSURE FUMIGATOR.** Contains not less than 17½% of Azobenzene. Directions for use are printed on each container. For control of Red Spider in Greenhouses. Price per carton of 12—½ lb. tins, \$3.20, gross weight 9 lbs.; per carton of 12—1 lb. tins, \$5.50, gross weight about 17 lbs.

## Sodium Selenate Makes Plants Poison Insects

Not all insects are affected. It works best with soft plants like chrysanthemums, carnations, gladioli, cyclamens, saintpaulias, etc., and has not been found entirely effective on woody plants. It kills red spider and aphid on chrysanthemums and carnations, cyclamen mites on chrysanthemums and saintpaulias, foliar nematodes and midge on chrysanthemums.

Complete instructions for use are sent with the material and must be followed closely.

**PURE SODIUM SELENATE** is a granular powder, very concentrated: One pound treats 1,800 square feet of bench area. This material is completely water-soluble. 100 grams (makes 1 gallon) prepaid \$1.50; per lb., \$4.00; 25 lbs., \$87.50; 100 lbs., \$300.00. By express, charges collect.

**P-40 IS TWO PER CENT SODIUM SELENATE** and ninety-eight per cent carrier (superphosphate in the present material). It is a dilute material. Three pounds treat only 100 square feet of bench area. 3 lbs., \$1.50; 25 lbs., \$4.75; 50 lbs., \$9.00; 100 lbs., \$17.00; 500 lbs., \$82.50; by express, charges collect, 2,000 lbs., \$300.00.

## Azofume 90 (Azobenzene)

The new fumigant for controlling Red Spiders on roses. Price per 5 lb. package, \$14.75; 10 lbs., \$26.00; 25 lbs., \$56.25; 50 lbs., \$87.50; 100 lbs., \$160.00.

**AZOFUME 10 (Dusting Form).** We consider this dust as an ideal addition to the Azobenzene family. Ideal for dusting evergreens for control of Red Spider and Mites. Where small pockets of spider occur in greenhouses on carnation and roses, dusting with Azofume 10 fills in. Also recommended for outside use on phlox, roses and evergreens. Price 1 lb. retails for 80c; doz., \$6.40; 4 lb. pkg. retails for \$2.40; Carton of 6 pkgs., \$9.60; 50 lbs., \$17.50.

**AZOFUME 45 CANDLES.** Now you can fumigate easily and simply with Azofume in candle form. Merely light them, and after the flame has spread a few seconds, the flame is extinguished and the candle smoulders for about an hour. Each candle treats approximately 6000 cubic feet of greenhouse space; about one pound of candles to 25,000 cubic feet. No need to split the treatment into two or more applications. AZOFUME 45 is effective on red spiders, cyclamen mite and most other types of mites found in greenhouses on ROSES, CARNATIONS, MUMS, CYCLAMENS, CALLAS, HYDRANGEAS, GARDENIAS, CAMELIAS, GERANIUMS, IVIES, KALANCHOES, AGERATUMS, CINERARIAS, PRIMULAS, COLEUS and many other plants, 24 Candles to a carton for \$10.80; 96 Candles to a case for \$43.20.

**AZOFUME 45 CANDLES WITH BHC.** To extend use over a greater range of insects, especially Thrips and Aphids, we have added 5% Benzene Hexa Chloride Gamma Isomer at no extra charge. Price same as regular Azofume Candles. Specify with or without BHC.

**HYPOZENE 20-DUST.** Contains 20% azobenzene plus 10% D.D.T. Controls Red Spider, Mealy Eug, Thrip, and many other insect pests. For spot dusting. Price, 5 lbs., \$6.00; 10 lbs., \$10.00; 25 lbs., \$22.00; 50 lbs., \$42.00; 100 lbs., \$80.00.

**PARZATE FUNGICIDE.** Dupont's newly developed dithiocarbamate fungicide which may be used as a spray or a dust for control of many important plant diseases. Price per 25 lb. drum, \$24.00.

**ZERLATE FUNGICIDE.** For control of plant diseases. Has natural adhesive and wetting qualities. Does not easily wash or weather off when applied to plants. Can be mixed with insecticides such as Arsenicals, Nicotine, Rotenone, Pyrethrum, D.D.T., etc. Price per 3 lb. pkg., \$2.75; 6 packages for \$13.50. Case of 16/3 lb. packages, \$31.20.

**FERMATE.** This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz. retails 75c; per case of 24, \$12.00; 3 lbs., \$2.75; 6 packages for \$13.50; Case of 16-3 lb. packages, \$31.20, shipped by express, charges collect.



## D. D. T.—Yamtox

Use of DDT alone seems to have a tendency to increase the infestation of other insects that it does not control. This may be due to killing off desirable parasites, or freeing them from competition. DDT Yamtox contains the full complement of rotenone necessary for the control of red spiders and other mites, thrips and aphids. The incorporation of 5% DDT in it widens its range of use to the satisfactory control of tarnished plant bug and leaf rollers. Where the plants are easily damaged, or where it is desired to spray open flowers of mums, or to dip the entire plant, as in the case of cyclamen mite, Yamtox DDT sure fills the bill. Price per gallon, \$12.00; case of 6—1 gallon cans; \$11.00 per gallon.

### YAMTOX WITH B H C

Adding highly purified Benzene Hexachloride with rotenone in our Yamtox produces a spray material safe to use on most plants. This new combination will cover a wider range of insects than a rotenone spray and gives a fumigation effect from the gamma isomer of the BHC it contains. Control of Aphids and Thrips is more readily obtained with BHC than any other material available. Price \$18.00 per gallon. In ordering specify Yamtox with BHC or Yamtox with DDT.

## Hormones

**BULB PROTECT.** Protects bulbs against rodents and fungi. Think of the amount of bulb business done and calculate the number of customers who would be willing to buy bulb "insurance." Undoubtedly, a good item for volume sales. 1½ oz. pkg. 35c; doz., \$2.52; 16 oz. pkg. \$1.75; doz., \$13.60; 5 lb. pkg. \$5.00; 25 lb. drum, \$15.00; 100 lb. drum, \$57.00.

**SEED-PROTECT.** Protects corn, many varieties of seeds from fungi. Another Protex item that should have volume sales. Can be sold with every purchase of seeds. Just let your customer know that you have it! They won't buy what they don't know exists. 2 oz. 35c; doz., \$2.52; 16 oz., \$2.00; doz., \$14.40; 5 lbs., \$6.00; 50 lbs., \$52.50.

**FRUIT-HOLD.** Prevents premature drop of fruit. Invisible fingers hold the fruit to the tree when sprayed with this newly developed plant hormone. Contains alpha naphthyl acetic acid. Will not spot fruit, mixes easily and leaves no objectionable residue. ¼ oz., 50c; doz., \$3.60; 2 oz., \$1.00; doz., \$7.20; 8 oz., \$5.00; 1 lb., \$7.50.

**Rosetone.** A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. package retails at 25c, per Display Carton of 72 packages, \$12.00; 3 oz. retails for \$1.00, per Display Carton of 36, \$24.00.

**VITAMIN B-1 TABLETS.** Vitamin B-1 Tablets, the famous Plant Magic brand, containing extra growth-substances. The proved transplanting aid. Also for flower-plant feeding and for fortifying vitamin-deficient soils. Garden magazine articles report amazing results. Each tablet makes 2 to 7 gal. Packet retails, 25c; doz. pkt., \$1.80. 100 tablet bottle, 50c; doz. bottles, \$3.60.

## Chlordane, Rivals D. D. T.

**OCTA-KILL. (Water Base—2½% Chlordane).** Especially for household uses. It is a non-staining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed with OCTA-KILL. For plants and flowers dilute OCTA-KILL with five parts water. Pint retails 79c; case of 24, \$11.38; quart retails \$1.39, case of 12, \$10.00; gallon retails \$3.95, case of 4, \$9.48.

**OCTA-KILL EMULSION CONCENTRATE. (Water Soluble—44% Chlordane).** For crop and animal spraying 1 part is mixed with 200 parts water. By allowing a heavier run-off this can be used to spray farm buildings, animal areas, and for household use. Recommended maximum dosage 1 qt. per acre. ½ pints retail \$1.25, case of 24, \$19.50; pints retail \$2.25, case of 24, \$35.10; quarts retail \$3.75, case of 12, \$31.50; gallon jugs retail \$11.00, case of 4, \$35.20; 5-gallon pails, \$41.50.

**OCTA-KILL DUST. (5% Chlordane.)** Especially designed for crop dusting. Recommended maximum dosage 20 pounds per acre. 1 lb. Garden Duster, retails 89c, case of 24, \$13.88; 5-lb. bags retail \$1.95, case of 10, \$11.70.

**SYNKLOR 50 W Chlordane Wettable Powder.** 8 oz. retails each, \$1.50; per case of 12, \$10.80. 1 lb. retails each, \$2.50; per case of 12, \$18.00; 10 lbs. each, \$15.50; 100 lb. drum, \$102.00.

## NOW THEY CAN BE SHIPPED

### Parathion and Tepp Aerosol Bombs

#### PARATHION LETHALAIRE BOMBS.

G-54 (U.S.D.A. No. 151) contains 10% Parathion ("Thiophos 3422"). 4 lb. cylinders. One cylinder will treat 200,000 cu. ft. of space. Price in special shipping cases: Shell deposit, \$3.75; gas \$10.00; case, 25c. Lots of 3, case charge 60c. Lots of 6, no charge for shipping case.

#### T.E.P.P. AND H.E.T.P. BOMBS.

4 lbs., each, \$6.50. Deposit on shell, each, \$3.50. On shipments of 3 bombs, 60c extra charge for crating, 6 bombs or more no crating charge.

Shells on both Parathion or T.E.P.P. and H.E.T.P. returnable for credit direct to the factory in quantities of 12 shells or more freight collect, or prepaid to us in smaller quantities.

Standard Speeding Applicator.....Each, \$5.50  
Extra Long Speeding Applicator.....Each, 6.50

Mine Safety Industrial Gas Mask. Each.....\$25.00  
Extra GMC-1 Canisters. Each.....3.25  
War surplus navy mask with new G-M-C Canister, each, 7.50



## Protexall Combats All Plant Pests

**PROTEXALL**, introduced by us as a one shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment, has been remarkably successful.

**PROTEXALL SPRAY**, 1 oz. package retails at 40c, price per carton of 24, \$5.76; 4 oz. package retails at \$1.25, per carton of 12, \$9.00; 1 lb. package retails for \$3.75, per carton of 12, \$27.00, 5 lb. package, \$13.00. 1 oz. will make approximately 4 gallons of spraying solution.

**PROTEXALL DUST**, 1 lb. package retails 95c, price per carton of 24 packages, \$13.68; 4 lb. package retails at \$3.50, per carton of 12, \$25.20; 50 lb. bags each, \$30.00.



An improved rooting compound containing several different hormone-like chemicals in sufficient quantities to produce root stimulation in the hard type of cuttings, and still is safe to use on the softer, more easily injured plants. Also contains a fungicide that checks fungi that rot cuttings. A small amount of dust will coat each cutting evenly, making a pound go further. ¼ oz. retails at 50c; case of 24, \$7.20; 2 oz. retails at \$1.00; case of 12, \$7.20; 1 lb., \$5.00.

## SEED-LESS-SET (New Concentrate) HORMONE SPRAY

A new scientific development insures "set" of first tomato flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self-sterile plants. ½ oz. makes 1 gal. each, \$1.00; per doz., \$7.20. 2 oz. makes 4 gal. each, \$2.50; per doz., \$18.00. 8 oz. makes 16 gals. each, \$7.50; six for \$30.00. 20 oz. makes 40 gals. each, \$12.50.



A Hormone powder easy to use; anyone can apply safely; no skill is needed to apply; Rootone—no measurements, no vials, no elaborate charts to follow—just dip and plant. Price, ¼-oz. pkt., 25c; doz., \$2.00; 2-oz. jar, enough to treat 3,000 cuttings, \$1.00; doz., \$8.00; 1-lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet, all postpaid.



**Rootone No. 10.** For slow to root evergreen cuttings. 2 oz., each, \$2.00; 1 lb., each, \$10.00.

**Transplantone** For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. ½-oz. pkt., each, 25c; doz., \$2.00; 3 oz., \$1.00; doz., \$8.00; 1 lb., \$4.00.

**Fruitone.** The hormone spray for stopping pre-harvest drop of apples and other fruits. Also reduces drop of flowers and leaves. 2½ oz. pkt. dozen, \$2.00, retails at 25c per pkt.; 2 oz. (makes 25 gal. spray); \$1.00; doz., \$8.00; ½ lb., \$1.50.

Write for price on larger quantities.

**Hormodin Powder** Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., \$6.00.

No. 1 Powder 1¼-oz. tin, each, 50c; 1 lb., \$4.50.  
No. 2 Powder 1¼-oz. tin, each, 75c; 1 lb., \$4.50.

No. 3 Powder 1-oz. tin, each, \$1.00; ½ lb., \$4.50.

# Other Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

**ACME EMO-NIK.** A combination spray of nicotine and summer oil emulsion for aphids scale, thrip, mealy bug, etc. 4½ oz., 37c; doz., \$2.80; pint, 70c; doz., \$5.20; gal., \$2.75.

**ARASAN.** 4 lbs., \$5.16; 25 lbs., \$30.00; 100 lbs., \$115.00.

**ARSENATE OF LEAD.** The standard spray or dust for quick, dependable control of practically all leaf-eating (not sucking) insects. 1-lb. carton, 45c; doz., \$4.92; case of 24, \$9.60; 4-lb. bag, \$1.75; 48 lbs., \$15.84.

**BORDEAUX MIXTURE.** (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One pound will make 5 gallons liquid. Lb., 40c; doz., \$3.20; 4 lbs., 95c; case of 24 lbs., \$4.80.

**CARBON DISULPHIDE.** For ants and cut worms. 1 lb., 55c; doz., \$4.80.

**COPPER SULPHATE.** Crystals. 10 lbs., \$2.35; 25 lbs., \$4.50; 100 lbs., \$13.00.

**CORROSIVE SUBLIMATE.** Mercuric Chloride. Price, 1 lb., \$2.75; 5 lbs., \$12.25. (1 lb. to 96 gals. water).

**CUPRINOL.** A special grade for dipping of flats and stakes. 5 gal. drum, \$11.75; 50 gal. drum, \$110.00.

**CUPRINOL WOOD PRESERVATIVE.** Stops rot around the greenhouse. One gallon covers and preserves approximately 400 sq. ft. of wood. Per gallon, \$3.45; 5 gals. for \$16.75; 50 gal. drum, \$155.00.

**CUPROCID.** Yellow. An effective fungicide spray. Price, 3 lb. bag, \$2.10; case of 16 3 lb. bags \$28.80.

**CYANOGAS "A" GRADE.** For moles, rats, gophers, and other rodents. 1 lb., doz., \$7.00; 5 lbs., each, \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00; 4-oz. tins for ants, doz., \$2.80.

**CYANOGAS CALCIUM CYANIDE "G."** Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00. Write for leaflet; freight prepaid on 100-lb. lots.

**D. N. SULPHUR DUST No. 10.** A new and very effective control for red spider, thrips, and rust diseases on carnations. 10-lb. bag, \$3.50; case of 5 bags, 50 lbs., for \$12.50.

**D. N. DUST No. 12.** For control of red spider, mite and thrips on roses, calla lilies, snapdragons, gardenias and carnations. The active element in D. N. Dust No. 12 is a dinitro compound effective in all stages of mite development. Should be used before blooming period. Per 10-lb. bag, \$4.50; case of 5 10-lb. bags, \$20.00.

**DOWFUME G.** New rapid setting soil fumigant. Especially toxic to Nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10 gal. drum, weight 113 lbs., 25c per lb.; 55 gal. drum, weight 597 lbs., 20c per lb.; 55 gal. drum charge \$6.00. Returnable for credit.

**DOWSPRAY 17.** A Dinitro Compound for use as a wet spray to control red mite and thrips. Helps produce better foliage. Protection for roses, carnations, calla lilies, azaleas, snapdragons, gardenias, hydrangeas, etc. Put up in ¾-lb. cans, 9 to a case. Each, \$2.50; per case, \$20.25.

**DX PYRETHRUM.** Scientific Pyrethrum Spray. Per gal., \$10.75.

**D.X. PYRETHRUM-ROTENONE DDT SPRAY.** A concentrated plant spray containing Rotenone-Pyrethrum-DDT in an active glyceride base. Controls sucking and chewing insects. Price 1½ oz. packed 24 to case, \$4.80 per case; 8 oz. packed 24 to a case, price per case, \$18.48; quarts packed 12 to case, per case \$31.80; gallon each, \$10.00; 5 gallons each, \$42.50.

**DOWFUME G APPLICATORS.** Highly satisfactory hand applicators. Adjustable for varied dosages. Will give years of service. Two types—No. 45-F, height 28 in., each, \$20.00; Type 45-AF, height 42 in., price \$20.00.

**EVERCIDE SPRAY.** Contains 17% D.D.T. Price gal., \$6.50.

**FISH-OIL SOAP.** Standard wash for trees and plants where insects and eggs affect bark. Lb., 40c; doz., \$3.50; 7½ lbs., \$2.45.

**FLOWERS OF SULPHUR.** Dusting grade. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$2.60; 2 bags for \$4.95.

**FORMACIDE FORMALDEHYDE DUST.** Control "damping off" of flower and vegetable seedlings. 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

**FORMALDEHYDE LIQUID 40%.** An economical fumigant and disinfectant. Price gal., \$2.90.

**FUME TOBAC.** Fumigating Powder. 25-lb. drum, \$5.00; 50-lb. drum, \$8.75; 100-lb. drum, \$16.25.

**FUNGINE.** New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pt., 75c; qt., \$1.25; gal., \$3.25.

**GRAPE AND ROSE DUST.** Excellent for the prevention and destruction of mildew on plants. Lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25.

**GRASELI S. S. 3 COMBINED SPREADER AND STICKER.** Designed especially for use with agricultural sprays. Pt., 95c; gal., \$6.25; 5 gals., \$29.50.

**GRAY'S IRIS BORER ERADICATOR.** Pints retail at \$1.30; per case of 24, \$20.40; quarts retail at \$2.00; per case of 12, \$15.60.

**L 333. ROTENONE PLANT SPRAY.** Gal., \$10.75; 5 gals. for \$48.75.

**LEMON OIL.** Destroys mealy bug, scale, red spider. ½ pt., 35c; pt., 65c; qt., \$1.10; gal., \$3.25; 5 gals., \$12.50.

**LORO.** A new contact insecticide for controlling aphids, thrips, red spiders, etc. Pt., \$2.00; gal., \$11.00.

**METHYL BROMIDE.** An ideal fumigant for many purposes. For seeds, bulbs and many greenhouse plants. Per lb. can, \$1.15; 10-lb. cylinder, \$7.75. Write for price on larger cylinders.

**MOLOGEN.** Gets rid of moles the easy way. ½ lb. package retails at 50c, per dozen, \$4.00; 1½ lb. package retails at \$1.25, per dozen, \$10.00.

**NAPHTHOLENE FLAKES.** Price 10 lbs., \$2.25; 25 lbs., \$5.25; 100 lbs., \$16.50.

**NEW IMPROVED CERESAN.** 1-lb. can, 80c; 4 lbs., \$2.70; 40 lbs., \$26.40; 100 lbs., \$61.05.

**NICO-FUME HOLDER.** For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Each, 85c.

**NICO-FUME LIQUID.** For fumigating or spraying; contains 40% nicotine. 2 lbs., \$3.45; 8 lbs., \$12.55; 40 lbs., \$54.40.

**NICO-FUME PRESSURE FUMIGATOR.** Put up in ½-lb. and 1-lb. cans, powder is now burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder: ½-lb. cans, 50c; six for \$2.80; doz., \$4.80; 1-lb. cans, 80c; six for \$4.50; doz., \$8.35.

**NICO-ROTE.** A combination of nicotine and rotenone. Kills by contact and fumes. Qt., \$4.00; gal., \$12.00.

**No. 10 REFINED ROSE SPECIAL.** For roses and carnations. Kills high percentage of eggs, no discoloring of blooms. Per gal., \$10.00; 5 gals., \$45.00.

**PARIS GREEN.** For chewing insects on potatoes and certain other-hardy plants. Kills quickest. ¼-lb. carton, 25c; doz., \$2.00; 1 lb., 60c; 5 lbs., \$2.50; 25 lbs., \$10.75.

**PENETROL.** An activator for nicotine spraying solutions. Qt., 75c; gal., \$1.75; 5 gals., \$6.75.

**PINE TAR.** For tree surgery. Qt., 75c; gal., \$1.75.

**POMO GREEN.** Without nicotine. The new green fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 55c; doz., \$4.60; 5 lbs., \$1.85; 25 lbs., \$8.50.

**POMO GREEN.** With nicotine. Lb., \$1.05; doz., \$8.40; 5 lbs., \$3.85.

**PRATT'S FRUIT TREE SPRAY.** A combined fungicide and insecticide, containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. sifter top can retails at 70c, per case of 24, \$10.92; 3 lb. bag retails at \$1.30, case of 16, \$13.52.

**PYRETHRUM POWDER.** Lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.25; 25 lbs., \$14.75. Write for price on larger quantities.

**RESPIRATORS.** For mild fumigating and dusting. Each, \$2.75.

**SELOCIDE.** For the control of Red Spider. Price gal., \$3.00.

**SULPHUR FOR SPRAYING.** Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. 4 lbs., 60c; 6 for \$3.00; 100 lbs., \$8.75.

## INSECTICIDE—Continued

**SEMESAN.** The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. 1/8 oz. pkg., doz., 96c; 2 oz., 45c; doz., \$3.60; 12 oz., \$2.10; 4 lbs., \$10.10; 25 lbs., \$58.28; 100 lbs., \$219.80. Write for leaflets, stating for what purpose desired. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

**SNAROL With Metaldehyde.** An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; doz., \$2.80; 2 1/2-lb. pkg., 75c; doz., \$6.00; 10 lbs., \$1.85; 50 lbs., \$6.75.

**SPECIAL SEMESAN.** Control for brown patch, dollar spot, etc. in bent lawns. 1 lb. doz., \$16.00; 4 lbs., \$6.92; 25 lbs., \$39.96; 100 lbs., \$149.85.

**SPECIAL RED ARROW.** A pyrethrum spray for controlling leaf rollers and leaf tyers especially. Per quart, \$5.00; gallon, \$16.00.

**SPERGON SEED PROTECTANT.** 1 oz., 25c; doz., \$2.00; 1 lb., \$2.25; 10 lbs., \$14.00; 100 lbs., \$125.00.

**SPERGON WETTABLE GRADE.** 1 lb., \$1.15; 10 lb. drum, \$10.00; 50 lbs., \$34.00; 100 lbs., \$66.25.

**SULPHATE OF IRON.** A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 40c; doz., \$3.20; 10 lbs., 75c; 25 lbs., \$1.60; 100 lbs., \$3.95.

**TARTAR EMETIC.** A spray for the control of Thrip, a life saver for gladiolus growers. 1 lb., 90c; 5 lbs., \$4.25; 25 lbs., \$18.75; 100 lbs., \$70.00.

**THRIP JUICE No. 2.** Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Pt., 90c; qt., \$1.50; gal., \$5.50.

**TOBACCO DUST (Regular Grade).** 10 lbs., 85c; 25 lbs., \$1.95; 100 lbs., \$4.95.

**TOBACCO STEMS.** 100 lbs., \$2.75; 500 lbs., \$11.50.

**TO-NA-CIDE.** Price 25 lbs., \$5.00; 50 lbs., \$8.00; 100 lbs., \$15.00.

**TRI-GEN SPRAY.** Three-way Spray, Insecticide, Fungicide, Stimulant. Outstanding rose spray, contains Fermate. E Kit retails at \$1.35, per dozen, \$10.80; A Kit retails at \$2.25, per dozen, \$18.00; B Kit retails at \$6.00, per dozen, \$48.00; C Kit retails at \$9.00, 6 for \$36.00; D Kit, Estate Size, retails at \$30.00, price each, \$20.00.

**TRI-GEN DUST.** 1 lb. package retails at 85c, packed 24 to a case, per case, \$13.68. 5 lb. retails at \$3.50, per carton of 12, \$28.08.

**TRITON B-1956.** An efficient emulsifier and spreader for insecticides and fungicides. Goes much further than ordinary spreader. Per gal., \$7.25; 5 gal. can, for \$34.25; 50 gal. drum \$315.00.

**VAPOTONE XX Insect Spray.** Particularly effective against Red Spides, Aphis, and many other insects; has been approved for use in greenhouses and on nursery stock. 4 oz. per case of 24 cans \$13.60; pints per doz. \$20.00. 1 gal., \$11.90.

**VOLCK.** The Scientific Insecticide for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Pint, 70c; gal., \$2.50; 5 gals., \$7.95; 28-gal. drum, \$32.00.



**G&O CROW REPELLENT.** 1/2 pt. retails for 35c; packed 24 to a carton, price per carton, \$5.60; pint retails at 55c. Price per doz., \$4.40.

**RABBIT REPELLENT.** With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals," so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Per carton of 24 1-lb. pkgs., \$7.20. Retails for 45c; 5 lb. bag retails for \$1.75. Per carton of 6, \$7.00.

## ITEMS YOU CAN SELL

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale.

Items below ordered in less than quantity quoted will be billed at a higher rate.

### ROTOTEC WITH 5% D. D. T.

A Rotenone Garden Spray. Contains full amount of Rotenone plus 5% D. D. T. necessary for good insect control. 4 oz. bottle retails at \$1.25, price per dozen \$9.00, pint bottle retails at \$2.75, price per dozen \$19.80.

**ACME KOPPER KING.** A scientific copper compound four times as strong as bordeaux mixture; will not cause bordeaux mixture injury on tomatoes. Lb., 50c; doz., \$4.20; case of 24 pkgs., \$8.04; 4-lb. bag, each, \$1.35; per case of 12 bags, \$11.28.

**ACME GARDEN GUARD SPRAY.** A combination spray for controlling sucking and chewing insects. Can be used as a dust or spray. 1 lb. handy shaker top carton price, 50c; doz., \$4.20; per case of 24 cartons, \$7.80; 4-lb. pkgs., per case of 12, \$10.20.

**ACME RED RIVER POTATO MIX WITH D. D. T.** A special formula for potatoes. 1-lb. bags, doz., \$4.68; carton of 24 bags, \$8.88; 4-lb. bags, \$1.70; six for \$7.56; carton of 12 bags, \$15.84.

**ANT KILLER.** Master 1/2-oz. bottles, doz., 75c; 2-oz., doz., \$2.00; 4-oz., doz., \$4.00.

**ACME STOP TREE BANDING COMPOUND.** 1 lb., retails at \$1.00; per doz., \$8.00; per case of 24, \$15.20.

**APHIS SPRAY.** A combination of Black Leaf 40 and Fish Oil Soap. Per doz. 3-oz. tubes, \$3.20. Retails at 40c per tube.

**BAIT-M WITH METALDEHYDE.** A double action insect bait for control of Sow Bugs, Cutworms, Grasshopper, etc. 1 lb. package, 35c; carton of 24, \$5.60; 2 1/2 lb. bags, 75c; carton of 12, \$6.00.

**BLACK LEAF (Garden Dust).** A blend of Nicotine Rotenone and Pyrethrum with a Fungicide. Use as multi purpose dust or spray. 1/2 lb. pkg. retails at 65c, doz., \$5.10; 1 lb. pkg. retails at \$1.15, doz., \$9.20.

**BLACK LEAF MOSQUITO FUMER.** Designed to kill mosquitoes outdoors; just light the fumer and let its effective smoke aerosol drift through the area. Each unit will treat an average lot. Price retail, each, 45c, per case of 12, \$7.20.

**BLACK LEAF 40.** Oz. bottles, doz., \$2.95; carton of 24, \$5.58; 5-oz. bottles, doz., \$8.55; 1 lb., \$2.25 ea.; 2 lbs., \$3.25 ea.; 5 lbs., \$7.90 each. 10 lb. can \$13.75.

**DAWG-GONE.** Protects evergreens from dogs. Per doz. tubes, \$2.40.

**DOGZOFF.** Keep dogs and other animals away from trees, shrubs, evergreens, etc. Bottle, 60c; doz., \$4.80; gross, \$46.08.

**EVERGREEN.** A pyrethrum spray. Price, 1 oz., doz., \$2.80; 6 oz., doz., \$9.25; gals., each, \$12.60.

**GARDEN BUG BLASTER.** New revolutionary garden dust gun containing multipurpose insect and fungus dust for flowers and vegetables. Analysis: 7% copper, 3/4% Rotenone, 10% sulphur, and 2% D.D.T. This insecticide is safe to use on vine crops. Eliminates stooping; you can now do your dusting in upright position, blows dust underneath foliage. Retails at \$1.98 each, complete with duster and 2 pounds of above formula. Price per carton of 24, \$29.76. Refills for Bug Blaster. 2 lb. retails at \$1.29; case of 12, \$9.72.

**McCORMICKS RED ARROW.** Rotenone dust. 2 lb. pkg., 50c; carton of 12 pkgs., \$4.00.

**NICOTINE PYROX.** 20-oz. jars. Doz., \$5.40; carton of 24, \$9.66; 5 lbs., \$2.00; case of 8, \$12.60; 25-lb. drum, \$6.50; 50-lb. drum, \$11.50.

**OPTOX.** A well balanced Rotenone-Pyrethrum spray. 1 oz. bottles retail at 35c each; per dozen, \$2.70; 6 oz. retails \$1.00 each; per dozen, \$8.00. Quarts each \$3.70; gallon each, \$12.00; 5 gallons, \$52.50; 30 gallons, \$255.00; 55 gallons, \$462.00.

**PESTROY 10% DDT INSECT POWDER for Household Use.** Can be applied to plumbing pipes, drains, doorways, baseboards, radiators, closets, cupboards, basements and garbage cans. Can be used on dogs, but must not be used on cats. Kills flies, ants, mosquitoes, roaches, ticks, crickets, moths, bedbugs, wasps, silver fish, gnats, lice, beetles, etc. Put up in finger-flick press cap container, 3 oz. package retails 39c each, per dozen \$3.00; price per carton of 48, \$11.24; 8 oz. pump gun, retails 69c each, per dozen \$5.20; per carton of 24, \$9.94.

**PYROX.** Combination insecticide and fungicide. 25 lbs., \$6.00; 50 lbs., \$9.00.

**ANTU RAT PASTE (5% Antu).** 2 oz. cannister retails 35c; price per dozen, \$2.52; 4 oz. tube retails \$1.00; price per dozen, \$7.20.

**RATU (25% Antu).** 2 oz. cannister retails 60c, price per dozen \$4.32.

**RED ARROW GARDEN SPRAY ROTENONE.** 1-oz. bottles, carton of 24, \$5.40; 4-oz. bottles, doz., \$8.00; pint, \$2.50; qt., \$3.60; gal., \$12.25; 5 gals., \$57.50.

**RED ARROW.** 3/4% Rotenone Dust. 5 lb. bags each, \$1.35; 5 for \$6.25.

**SLUG SHOT, Hammond's.** An insecticide for destroying chewing insects. Doz. 1-lb. pkgs. for \$3.25; 5-lb. pkgs., 12 for \$12.00; 25-lb. bag, \$5.00; 50-lb. bag, \$9.50; carton of 24, \$5.76.

**WETTABLE DUSTING SULPHUR.** Put up in attractive 2-lb. cans, which retail at 42c each. Per doz., \$3.24.

A triple acting dust for garden plants which kills insects of all types, and protects against fungus diseases. 10 oz. handy applicator gun retails for 98c; price per case of 24 guns, \$15.29. 10 oz. Refill Cartridge, retails 75c each, per case of 24, \$11.70.

## EndoPest

A preparation of 2-4D in liquid form which kills most lawn weeds. 1/2 pint retails at \$1.00, per case of 24, \$14.40; qt. retails at \$2.75, per case of 12, \$19.80.

## EndoWeed



### DUST AND PUMP GUNS

**ACME TOMATO DUST.** 1 lb. sifter carton, retails at 50c; per doz., \$3.84; per carton of 24 pkgs., \$7.44; 4 lb. bag retails at \$1.05; per carton of 12 bags, \$9.12.

**ROTENONE GARDEN GUARD PUMP GUN.** The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use. Retails 65c ea. Price, per doz., \$5.25. Carton of 24 pkgs., \$10.20.



### KALITE ROTENONE BUG DUSTER.

This practical, efficient duster bag contains a pound of impregnated Rothenone Dust 3/4%. A practical package for dusting Freedom Gardens. Price per carton of 24 1 lb. packages, \$6.24; 4 lb. bags, 12 to a carton, \$9.00 per carton; 25 lb. bags, \$4.25 each.



**DOG-CHECK.** The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying usually lasts from two to three weeks. 3-oz. size, 50c; display carton of 12, \$3.60; 3-oz. size, 60c; display carton of 12, \$4.32; 8-oz. size, \$1.00; display carton of 12, \$7.20.

**ANT-"X" JELLY BAIT.** Tubes, garden size, 35c; display carton of 12 tubes, \$2.52.

**ANT-"X" TRAPS.** Death box. 300 grain size for grease and sweet eating ants, each, 25c; display box of 12 traps, \$1.80.

**RAT-NOTS.** The safe way to exterminate rats. Prepared bait containing squill can be used without fear of harming humans, dogs, livestock, etc. Trial size, 9 Nots, 25c; display carton of 12 pkgs., \$1.80; estate size, 50 Nots, \$1.00; display carton of 12 pkgs., \$7.20.

**MOUSE-NOTS.** Impregnated seed bait kills mice. Fall is a good time to destroy mice in the house or orchard. Trial size, 9 Nots, 25c; display carton of 12 pkgs., \$1.80; estate size, 50 Nots, \$1.00; display carton of 12 pkgs., \$7.20.

**MOLE NOTS.** Life saver for lawns and seed beds. Trial size 8 Nots, 35c; display carton of 12 pkgs., \$2.52; estate size contents, 50 Nots, \$1.00; doz., \$7.80; jumbo size contents, 125 Nots, \$2.00; doz., \$14.40; gardener size contents, 400 Nots, \$5.00; doz., \$36.00.  
5% discount on orders of six display cartons of the above.

# Chemical Weed Killers

## WEEDONE

TRADE MARK

It kills the plant under ground as well as above ground. Does not irritate skin and does not corrode metal or spray equipment. Will not leave residue on plants that is hazardous to livestock or pets. Does not sterilize the soil. Mix one part to sixty parts of water. Will kill Poison Ivy, Bindweed (Morning Glory), Ragweed, Burdock, Dandelion, Plantain, etc. Price, 6 oz., retails, 75c; per case of 36, \$16.20; per quart, \$2.50; per case of 12, \$18.00; gallon, \$6.50; per case of 6, \$27.30; 5 gals., \$17.00; 54 gals., \$172.80.

**WEEDONE CONCENTRATE 48.** Contains approximately 39% ethyl ester, or 3 lbs. (48 oz.) of 2,4-D acid equivalent per gallon. 1 gallon cans each \$9.25; 5 gal. cans, each \$45.00.

**WEEDAR 64.** Contains approximately 68% of the alkanolamine salt of 2,4-D or 4 lbs. (64 oz.) 2,4-D acid per gallon. 1 gallon cans, each \$8.30; 5 gal. cans, each \$40.25.

### NOTT'S SEL-TOX

#### NEW SELECTIVE CRAB GRASS KILLER

It contains phenol mercuric acetate solubilized, which has been proved in exhaustive tests to kill crab grass without injuring desirable lawn grasses. It can be used at any stage of growth, from the seedling stage to maturity, with equal effectiveness. Though a poison, it is mixed with water 100 times its bulk, and is easily handled with safety at all stages. Apply with watering can or sprayer. Complete directions on each bottle.

Quantity	Area Treated	Retail Price	
8 oz.	1,000 sq. ft.	\$1.00	Per Doz., \$ 7.20
16 oz.	2,000 sq. ft.	1.50	Per Doz., 10.80
Quart	4,000 sq. ft.	2.50	Per Doz., 18.00
Gallon	16,000 sq. ft.	\$9.00 by exp. collect.	

### DUPONT AMMATE WEED KILLER

(Ammonium Sulfamate). A non-poisonous weed killer which can be applied by hand or power sprayer or can be applied dry. Will kill poison ivy, poison oak, poison sumac, dandelions and plantain. Use 3/4 to 1 lb. to a gallon of water. Price, 2 lb. bottle, 85c; 6 lb. jar, \$2.25; 50 lb. drum, \$13.00.

### HERBICIDE

#### THE WEED EXTERMINATOR



For Paths, Cobble  
Cutters, Drives,  
Tennis Courts etc.

For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Livestock should be kept off the treated ground until the dead leaves wither away. Qt., 75c; gal., \$1.50; 5 gals., \$6.00; 55 gals., \$37.50.

### NEW DANDYKILL WITH NITROGEN

Careful tests of Dandykill, the dry, soluble form of the miracle weed killer 2,4D have developed these important facts:

1—That chemical nitrogen in the Dandykill solution will stimulate growth so grass quickly spreads to vacant spaces left by dying weeds.

2—That Dandykill at normal strength destroys many seeds of crab grass and kills small crab grass plants.

3—That Dandykill one-half recommended strength used on bent greens and lawns, kills most weeds without injuring the grass, though occasional brief discoloration may result.

Size	Treats	Retails	Per Doz.
2 oz.	800 sq. ft.	\$ 0.50	\$ 3.60
6 oz.	2,500 sq. ft.	1.00	7.20
24 oz.	10,000 sq. ft.	3.00	21.60
6 lbs.	One acre.	10.00	72.00

### CONCENTRATED DANDYKILL

For use on large areas, Dandykill is offered in a special concentrated form, 70 percent 2,4D, without nitrogen saves shipping costs when quantities are used. Shipped F. O. B. Chicago or New York.

Size	Area Treated	Retail Price	Dealer's Price
10 lbs.	4 acres.	\$ 19.50	\$13.25
50 lbs.	20 acres.	87.50	66.50

**DANDY KILL DUST, 2, 4-D in Dust Form.** Will control most lawn weeds by merely dusting them, using the handy "shaker" top dust canister. Dandy-Kill users will welcome this form. 12 oz. shaker top can 75c. Carton of 12, \$5.40.

**ZOTOX CRAB GRASS KILLER.** An amazing new killer which kills both the seeds and plants of Crab Grass (Water Grass) in lawns. Prevents recurrence the following year. Not toxic to soil. Must be applied in fall. 1 lb. treats 1000 to 2000 sq. ft. Price, 8 oz., each, \$1.00; doz., \$7.20; 16 oz., \$1.50; doz., \$10.80; 5 lbs., \$3.50.



# Sprayers and Dusters

## Dobbin's Bighead Sprayers

5½ diameter opening. Easy to fill, drain and clean. Positive quick seal ing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

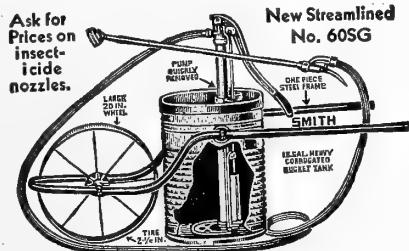


No. 44G. Galvan- ized tank. Each, \$10.95.

Stainless steel, Bighead 4 gallon, sprayer, ea., \$16.75.

## SMITH'S SPECIAL No. 24 G. O. COMPRESSED AIR SPRAYER

A durable low priced sprayer, has a funnel top, made of heavy steel, tank as illustrated. 3½ gallon capacity. Galv., \$7.75. Brass, ea., \$13.95.



Ask for Prices on insecticide nozzles.

New Streamlined No. 60SG

## WHEELBARROW SPRAYER

Goes anywhere like a wheelbarrow through narrow openings. For spray solutions, disinfectants or whitewash. With extra large handle and large air chamber, develops from 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle fittings, steel extension, etc. Price, \$29.95. Shipping weight, 65 lbs.

Same as above. With air pressure tank, tested under pressure of 275 lbs., fitted with pressure gauge reading to 200 lbs. Price, \$41.00.

**Paragon Wheelbarrow Sprayer.** Greenhouse and Nurserymen Sprayer. 12-gal. capacity on one or two wheelbarrow type truck. Complete with hose, rod and nozzles. Price, \$27.75.

## HAYES JR. SPRAY GUN

All Purpose Sprayer. Makes 3 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No. moving parts to wear out or break. Retail, each, \$6.95; six for \$27.80.



**Pneumatic Galvanized continuous one quart size with two nozzles for straight and underleaf spraying.** Each, \$1.50; dozen, \$12.80.

**Pneumatic Tin Hand Sprayer.** Same as above, each, \$1.35; dozen, \$10.80.

**Tin Hand Sprayers.** Full qt. size, retails at 70c; per doz., \$5.40.

## BLIZZARD COPPER CONTINUOUS SPRAYER.

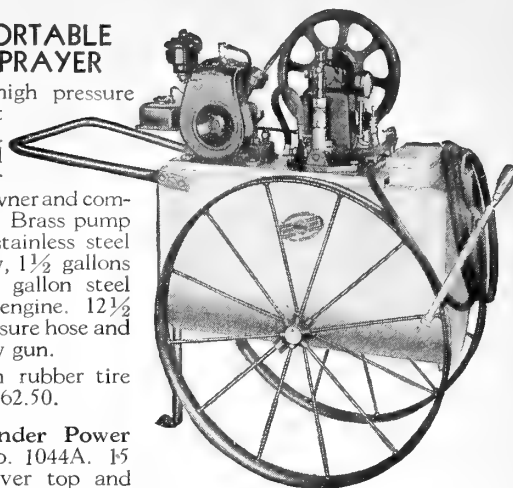
Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Each, \$3.75; six for \$21.00; pint size retails at \$3.85; six for \$15.40.



## PNEUMATIC HAND SPRAYER

## UTILITY PORTABLE POWER SPRAYER

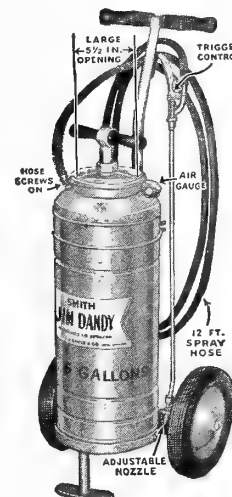
A portable high pressure light weight spray outfit. Handles all spray jobs for the individual owner and commercial grower. Brass pump with hardened stainless steel valve. Capacity, 1½ gallons per minute, 25 gallon steel tank, 1½ H. P. engine. 12½ feet of high pressure hose and adjustable spray gun. No. 4240R with rubber tire wheels. Each \$162.50.



**Hudson Defender Power Sprayer.** No. 1044A. 15 gal. with cover top and positive agitation. Each, \$154.50.

## ONE-MAN PRESSURE SPRAYER

**Jim Dandy Cart Sprayer.** The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of ¾ inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each, \$31.50.



## G. S. MASTER SPRAYER

This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, \$4.95; Master Model with adjustable nozzle and 45 degree brass extension, each, \$6.95.



## CHAMPION KNAPSACK SPRAYER

All purpose sprayer. Tank shaped to fit man's back. Holds 4 gals. of fluid. Net weight 12 lbs. Adjustable brass nozzle permits either fine mist or 35 ft. stream. Galvanized, price each, \$21.85; Brass, price each, \$24.95.



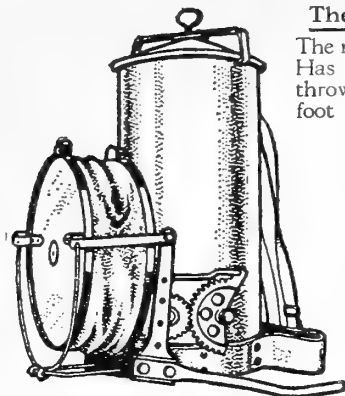
## NOZZLES FOR SPRAYING INSECTICIDES & FUNGICIDES.

**Bordeaux Nozzle** to fit a standard ¼-inch thread adjustable from fine spray to stream. Each, \$1.25.

**Vermorel Nozzle**, non-clog, to fit ¼-inch thread. Each, \$1.25.

**Auto Pop Nozzle**, including automatic shut-off. Each, \$1.85.

**Nozzle only**, without shut-off. Each, 75c.

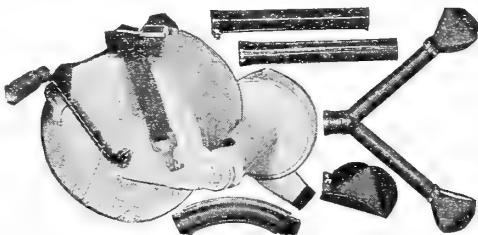


### The American Beauty Duster.

The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$29.50. Write for leaflet on the American Beauty Dust Sprayer.

### CHALLENGE DUST GUN No. C3.

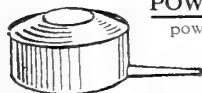
For Dusting Rote-none, Pyrethrum Dust, etc. Adjustable to all conditions. Made so the discharge nozzle may be swung from front to rear of operator and it can be raised or lowered for high or low plants. Operator can always work in upright comfortable position. Ea., \$21.80



### FEENEY MODEL C DUSTER.

Retails, each, \$1.15; six for \$5.40; doz., \$9.20.

### CYCLONE



### POWDER GUNS.

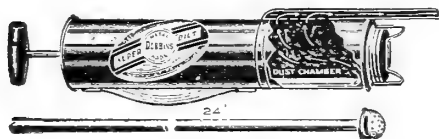
The best dry powder gun for blowing powder on plants and insects. Cyclone retails, each, 35c; doz., \$2.80; Jumbo retails, each, 60c; doz., \$4.80.

### JUMBO



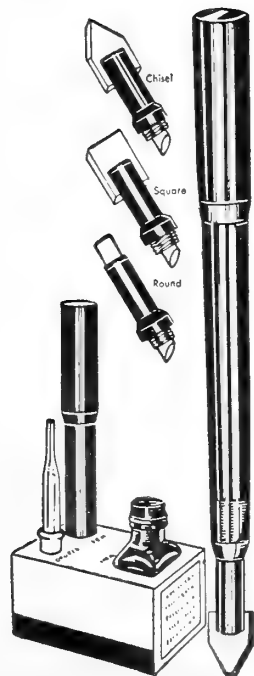
### DOBBIN'S IMPROVED HAND DUSTER

A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity, 1 lb., equipped with two-way dust cap. No. 132 Duster, Each, \$1.45. 6 for \$7.20



**SPEEDRY BRUSH PEN.** This is the new amazing brush pen. Will write or mark on porous surfaces. It can be used on wood, leather, textiles, cardboard, paper, glass, tin and cellophane. The ink dries instantly and does not smear. When ordering specify type of nib; chisel, square or round. Price each with bottle of instant drying ink \$1.85. Per dozen, \$16.00. Extra nibs at 35c each; dozen, \$2.80. Speedry Ink price, per 4 oz. bottle, 80c; 16 oz. bottle, \$2.60; 32 oz. bottle, \$4.50.

**AQUELLA.** Waterproofing, the scientific mineral surface coating that waterproofs and dampproofs porous masonry surfaces such as concrete masonry blocks, cinder blocks, cement plaster, stucco and brick. No. 1 for interior surfaces. Price 10 lb. bag, \$3.95; 10 bags for \$37.50. No. 2 for exterior surfaces. Price 10 lb. bag, \$3.95; 10 bags for \$37.50. When ordering specify type desired.



Prices subject to change without notice.

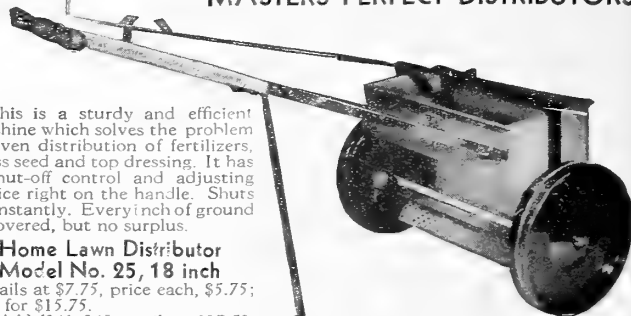
## FERTILIZER SPREADERS

### SALEM IMPROVED FERTILIZER SPREADERS



Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs. Retail at \$7.50. Price each, \$5.75. Three for \$15.75. 20 inch, hopper capacity about 40 lbs. Retail at \$11.50. Price each \$8.75. Three for \$24.15. 30 inch, hopper capacity about 80 lbs. Retail at \$17.50. Price each, \$13.95. Super Heavy 36 inch, hopper capacity over 100 lbs. Retail at \$35.50. Price each, \$27.50.

### MASTERS PERFECT DISTRIBUTORS



This is a sturdy and efficient machine which solves the problem of even distribution of fertilizers, grass seed and top dressing. It has a shut-off control and adjusting device right on the handle. Shuts off instantly. Every inch of ground is covered, but no surplus.

### Home Lawn Distributor Model No. 25, 18 inch

Retails at \$7.75, price each, \$5.75; 3 for \$15.75.

Model M241, 24", retails at \$27.50, price each, \$18.75; 3 for \$55.00.

Model M361S, 36", retails at \$35.25; price each \$24.50.

Model M361D, 36", with rubber tires, retails at \$44.00, price each, \$31.50.

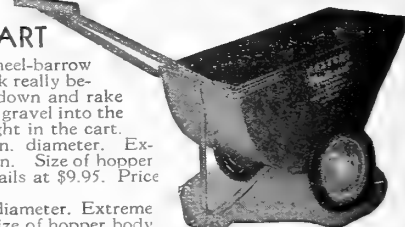
### VAUGHAN'S GREENHOUSE WHEELBARROW

Made especially for use in greenhouses between the benches. Dimensions are as follows: Box, 14 in. wide at wheel end; 16 in. wide at handle end; 12 in. deep. The bottom of the box is matched and glued together, and there is no crack against which a shovel might run. Wheel is of steel, 17 in., with 2 1/2-in. thread; the axle is 1 1/2 inches wide. Made of best material. Legs reinforced, spread of handles at hand-hold 20 in., which is extreme width of barrow. Each, \$13.25; with Pneumatic Tire, \$24.95.



### MASTERS HANDI-CART

Replaces the old-fashioned wheel-barrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18-S, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body 26 1/2 x 16 x 12 1/2 in. Retail at \$9.95. Price each, \$7.25. Three for \$19.90. No. 20-D, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body 27 1/2 x 21 x 13 1/2 in. Retail for \$11.75. Price each \$8.75; three for \$23.50.



### BULK SIZES

FLORALIFE sells on sight at 10c to all flower lovers. A fine profit for you. Packet prices in cartons; 25 2-qt. size, \$1.25; 100 2-qt. size, \$5.00.

### FLORALIFE IN BULK

30-qt. size (\$1 retail).....	\$ 0.60
100-qt. size (\$3 retail).....	1.75
250-qt. drum (10 lbs. net).....	4.00
500-qt. drum (20 lbs. net).....	7.50
1000-qt. drum (40 lbs. net).....	13.50
2000-qt. drum (80 lbs. net).....	25.00



Use original, patented FLORALIFE! Bring customers back for more of your cut flowers because they last 5 to 10 days longer! Blossoms hold color and fragrance. No need to change water or to re-cut stems. Opens buds extra wide!



Handsome, Colorful Counter Displays

# Vaughan's High Grade Fertilizer

The Yield and Quality of Vegetables and Flowers Depend Upon Continuous and Rapid Growth



All Prices Are F. O. B. Chicago Unless Otherwise Noted.

## Armour Velvetgreen Plant Food.

Velvetgreen is a high quality blended and balanced plant food for lawns, flowers, shrubs, trees and garden vegetables. 1 lb. package retails 15c, per case of 32, \$2.88; 10 lb. bag retails for 90c; per case of 6, \$3.54; 25 lb. bag retails for \$1.60; each \$1.05; 100 lb. bags retail for \$4.25; per ton \$58.00.

**Special Tree and Turf Food** (10-8-6) Containing 10% Nitrogen, 8% Phosphate and 6% Potash. Especially prepared for lawns, trees, shrubs, etc. Price per 100 lb. bag, \$3.50; ton, \$65.00.



**Loma Analysis 5-10-5** A scientifically prepared plant food for flowers, vegetables and potted plants. 5-lb. carton, 12 in case, per case, \$3.60; 10-lb. bags, 10 in a sack, per sack, \$5.60; 25-lb. bags, 4 in a sack, per sack, \$4.68; 50-lb. bags, 2 in a sack, per sack, \$3.84; 100-lb. bag, \$3.15; 500 lbs., \$15.75; 1,000 lbs., \$31.50; 2,000 lbs., \$63.00. 500 lbs. or over \$10.00 per ton, freight allowance or direct shipment from fertilizer plant in Lockland, Ohio.

**Mineralized Loma High Analysis 8-8-8** This plant food supplies 15 essential minerals, not merely as traces, but in sufficient quantities to enable the plants to derive full benefit from the abundant Nitrogen, Phosphoric Acid and Potash in the mixture. 25 lbs. retails for \$2.50, price per bale of 4, \$6.60; 100 lb. bag retails at \$8.00, 5 bags for \$26.50. 500 lbs. or more delivered free to your railroad station within 500 miles of Chicago.

## Special Balanced Rose Food

(ALL ORGANIC). 5-7-4. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. 5-lb. bag retails for 85c, price, per carton of 12 packages, \$6.00; 10-lb. bag retails for \$1.35, price, per carton of six, \$5.40; 25-lb. bag, \$2.00 each, six for \$11.40; 100-lb. bag, \$6.45 each, five for \$31.00.



**Vigoro** The complete plant food supplies all the elements necessary for growing plants. It is economical and easy to apply. Use Vigoro in your greenhouse. It will aid you in obtaining higher quality flowers and vegetables at lower costs, which means more profit for you. Sell Vigoro to your retail trade for use on flowers, lawns, ornamentals, vegetable gardens. It is nationally known. For House plants sell Vigoro Tablets, convenient to use. Write for free cutting charts and greenhouse culture book. Price 100 lb. bag, \$2.90 each; 25 lb. bag, \$1.05 each; 10 lb. bag, 6 per case, \$3.54 per case; 5 lb. bag, 12 per case, \$3.84 per case; 1 lb. bag, 32 per case, \$2.88 per case, 500 lbs. or more delivered free to your railroad station within 500 miles of Chicago.

**Vigoro Tablets.** Per case of 48 pkgs. of 24 tablets, \$2.64

## VAUGHAN'S STEAMED BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the bone meal made from cattle heads and feet gathered upon the western prairies. Our bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen, 2 percent; total phosphoric acid, 22 percent. 5 lbs., 75c; doz. 5-lb. pkgs., \$6.00; 10 lb., pkgs. doz., \$10.20; 25 lbs., \$1.65; 50 lbs., \$2.85; 100 lbs., \$4.95; 500 lbs., \$22.95.

**Quantity Required.**—For permanent pasture and mowing lands, 1/2 to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1000 to 1500 lbs. per acre; rose beds and plants, one part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

## VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lb. bags per bale of 6, \$1.40; 10 lb. bags per bale of 6, \$2.40; 25 lb. bags six for \$3.90; 100 lbs., \$2.50; 500 lbs., \$12.50; 1000 lbs., \$24.00; 2000 lbs., \$47.00.

IMPORTED HORTICULTURAL GRANULATED CANADIAN

## VAUGHAN'S PEAT MOSS

## Canadian Peat Moss Granulated

A moisture retaining humus, an important aid in saving soil fertility. Better than manure. Large bale, \$4.25; 5-bale lots, \$4.00 per bale; 10-bale lots, \$3.85 per bale. Garden size bag of about 25 lbs., each, \$1.95; 10 for \$18.75.

**German Granulated Peat Moss.** We can now supply the German to 22 bushels, price per bale, \$7.00; 5 bale lots at \$6.75 per bale, 10 bale lots at \$6.50 per bale.

**IMPORTANT.** The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

**Adco** Make it yourself; to each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. 7 1/2-lb. bag, each, \$1.10; per carton of 10 pkgs., \$9.90; 25 lbs., \$2.75; 150 lbs., \$11.95.

**Aluminum Sulphate** For creating acid condition in the soil. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$3.35; 200 lbs., \$6.50.

**Active** (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Active on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size \$1.00; treats 450 lbs. compost. Carton of 6, \$4.00; dozen, \$7.20; No. 7 size, \$2.00; treats up to 1800 lbs. Carton of 6, \$7.80; doz., \$15.00; No. 25 size, \$4.50; three for \$10.50; treats up to 3 tons compost. No. 50 size treats up to 6 tons compost \$8.25.

**Bone and Blood** For garden crops use 500 lbs. per acre. 50 lbs., \$3.50; 100 lbs., \$6.25; 500 lbs., \$30.50; 1000 lbs., \$60.00.

**Carpet Green** Controls Weeds As It Feeds The Lawn. (10-6-4 Fertilizer—2, 4-D) Now the customer can fertilize the lawn and get rid of weeds at one and the same time! Calculated to warm the heart of all those who want the finest turf without the necessity of weeding. Contains 2, 4-D in a 10-6-4 organic fertilizer. Recommended use 1/2 to 1 lb. per 100 sq. ft. It captures the customers imagination—will be a sensational seller. 25 lb. bag \$3.50; 50 lb. bag \$6.00; 100 lb. bag \$10.00.

**Charcoal** Put up in 50-lb. bags. We can supply all sizes from powder to lump. Per bag, \$2.75. Write for price on larger quantities.

**Compo:** New Improved Fast Acting Compost Developer. Turns garden refuse and leaves, grass cuttings, weeds and vegetable matter into rich organic odorless manure. 7 1/2 lb. size makes 375 lbs. of manure (a compost heap measuring 3 ft. x 3 ft. x 2 ft. high). Retails at \$1.25. Packed ten to carton, price per carton, \$8.35; 25 lb. size retails at \$2.75 (makes 1250 lbs. of manure); carton of 3 for \$5.50.



A good fertilizer with a peat moss base impregnated with a high grade manure. 50-lb. bag, \$2.00; 5 bags for \$9.25; 10 bags for \$17.50.

**Electra** Analysis 4-9-3. A high organic plant food for feeding, forcing and finishing. It should be used in potting soil as a top-dressing. Helps bring plants to highest perfection. 25 lbs., \$2.75; 50 lbs., \$4.25; 100 lbs., \$6.75.

**Es-Min-EI** This contains all essential mineral elements which are necessary for good crops such as manganese, calcium, magnesium sulphur, iron, copper, zinc, barium, strontium, nickel, cobalt, vanadium titanium, tin, lead, chromium and boron. Many fertilizers or plant food mixtures do not contain these minerals but they can now be added to the soil 5-lb. package is enough for 5000 square feet of space. 5-lb. package retails for \$1.25; price, per case of 10 packages, \$7.50; 100 lb. bag, \$8.75.

**Horn Shavings** Synthetic quick-acting and lasting. 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.50; 500 lbs., \$35.00. Write for prices on larger quantities.

**Horn Shavings** The regular old type shavings. 25 lbs., \$3.50; 50 lbs., \$6.00; 100 lbs., \$11.50.

**Hy-Gro Plant Food** Famous 13-26-13 soluble formula and starter solution—speeds earlier growth of seeds—checks withering of transplants. Contains growths, hormones, minerals and other plant nutrients—provides all the food necessary for healthy plant growth. This formula was not obtainable during the war. 3 oz. glass jars retails at 25c, packed 24 to carton, price per carton \$3.60; 20 oz. jar retails at \$1.00, packed 12 to carton, price per carton \$7.20; 10 lb. container each, \$4.00; 25 lbs., \$6.50; 50 lbs., \$12.00; 100 lb. drum each, \$22.50.

**Hyponex** Contains all of the known major and minor elements of plant food with vitamin B1 added. Analysis 7% Nit., 6% Phos., 19% Pot. 1 oz. packet makes 6 gals. Retails at 10c, price per carton of 72 pkts., \$4.80; 3 oz. retails for 25c. Doz. \$2.00; 1 lb. retails for \$1.00. Doz., \$8.00; 10 lbs., \$5.34; 25 lbs., \$10.00; 50 lbs., \$16.67; 100 lbs., \$26.67.

**Hydrated Lime** For sweetening sour soil. Price per 10 lb. bag, 50c; 12 bags for \$4.80; 50 lb. bag price \$1.15; 6 bags for \$5.40.

**Milorganite** Provides long lasting plant food. 100 lbs., \$2.65. 500 lbs., \$12.50; 1000 lbs., \$24.50.

**Muriate of Potash** Should be used liberally, especially for all root crops, 25 lbs., \$1.75; 50 lbs., \$2.75; 100 lbs., \$4.75. Write for prices on larger quantities.

**Orchid Peat** (Fern Roots). A wonderful fertilizer. Very useful for Orchids and Azaleas. \$4.75 per sack of about 2 bushels.

**Plant Prod** (15-30-15) A water soluble fertilizer. Is beneficial to all types plants, ornamental or vegetable. The economical and safe way to feed plants. Price 10 lbs., \$4.00; 25 lbs., \$9.00; 50 lbs., \$12.00; 100 lbs., \$21.00.

**"Plant Life" (New)** A well-known liquid fertilizer for house plants. Prices, retails 25c per bottle; packed 24 in a display carton, \$4.00; qt. 50c; per carton of 12, \$4.00; gal., \$3.00.

**Fulton's Plantabbs** Odorless plant food in tablet form; supply a complete balanced plant food including Vitamin B-1. Prices, put up in boxes, 10c size, doz., 75c; 25c size, doz., \$2.00; 50c size, doz., \$4.00; \$1.00 size, doz., \$8.00; \$3.50 size, each, \$2.35. Special discount of 5% on orders totaling \$6.00.

**Potassium Nitrate** (16-0-45) Contains 16% Nitrogen, 45% potash. Leaves no obnoxious soluble salts. Price, 100 lbs., \$14.95; 500 lbs. for \$67.50.

**Pulverized Limestone** For soil acidity, it improves the texture of the soil, lets in air and moisture, liberates 1000 nitrogen and other plant food. 100 lbs., \$1.85; 500 lbs., \$7.75; 1000 lbs., \$14.00.



## FERTILIZER F. O. B. Chicago—Cont.

**Potassium Phosphate Crude** (Analysis 0-40-20) Price 100 lbs. \$10.75; 500 lbs. for \$48.00.  
**Di-Ammonium Phosphate** (Analysis 21-52-0) Price 100 lbs., \$11.95; 500 lbs., \$57.50.  
**Ruhm's Lime Phosphate** 100 lbs., \$2.40; 500 lbs., \$11.00; 1000 lbs., \$21.00; 2000 lbs., \$40.00.

**Sacco Plant Food.** The complete all purpose plant food analysis 4-12-4 for lawns, flowers, trees, shrubs and gardens. 5 lb. pkgs., 16 to a carton, price \$4.80; 10 lb. pkgs., 8 to a carton, price \$4.32; 25 lb. bags each 97c; 50 lb. bags each \$1.67; 100 lb. bags each, \$2.60.



**Shredded Cattle Manure** An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor. If applied to the lawn in the fall it protects the grass roots all through the winter. 100 lbs., \$2.75; 500 lbs., \$12.50; 1000 lbs., \$24.00; 2000 lbs., \$47.50.

**Stimulant Tablets** Contains Vitamin B1. A very effective plant food for house plants. Put up 48 pkgs. to a display case, retails for \$4.80 price, \$2.88. 25c size put up in counter display case, of 10 pkts., price, \$1.50; 75c size, doz., \$5.40.

**Special Turf**

(10-6-4) A high grade 40% organic plant food for lawns, trees and shrubs. Price 100 lbs., \$5.25; 2000 lbs., \$100.00.

**Super Phosphate** 20% available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 25 lbs., \$1.15; 50 lbs., \$1.65; 100 lbs., \$2.45; 500 lbs., \$11.00; 1000 lbs., \$21.00; 2000 lbs., \$40.00.

**Sulphate of Ammonia.** 100 lbs., \$5.45; 500 lbs., \$24.95.

**Terra-Lite** (Mica Magic) Vermiculite for agricultural and horticultural growing. A sterilized seed starting medium composed of particles of natural mica. Holds water like a sponge without caking or packing down. It has been sterilized at over 2000° F. Since it is disease free, danger of damping off is eliminated from soil borne causes. Put up in ½ peck packages for resale. Retail at 50c each. Per carton of 12, \$3.00; ½ bushel bag, each 85c; 5 bags for \$4.00; 10 bags, \$7.50; 2 bushel bag each, \$1.25; 10 bags \$11.50.

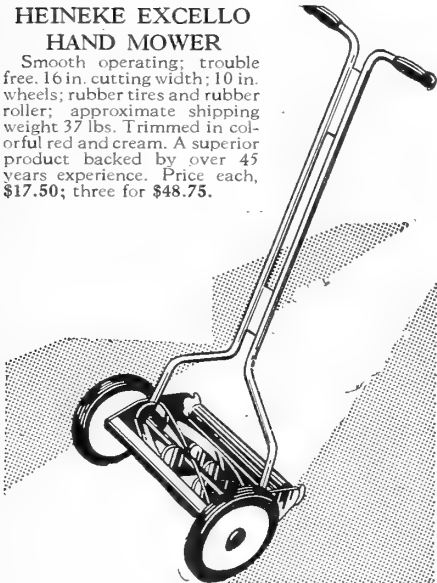
**Universal Acid Plant Food** A specialty plant food for the more difficult acid loving plants. It creates an organic acid soil condition, is not toxic to roots. Promotes root growth and plant growth which permits growing, training and flowering with safety. Price per 100 lb. bag, \$6.75; 5 lb. pkg. retails for 50c; case of 12, \$3.85.

**Urea** A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees 92 times stronger than manure. Price, 25 lbs., each, \$3.25; 100 lbs., \$9.75.

# Lawn Mowers, Sweepers, Rollers

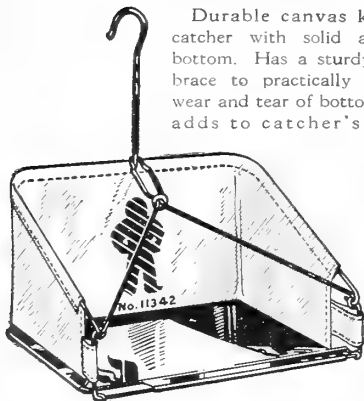
## HEINEKE EXCELLO HAND MOWER

Smooth operating; trouble free. 16 in. cutting width; 10 in. wheels; rubber tires and rubber roller; approximate shipping weight 37 lbs. Trimmed in colorful red and cream. A superior product backed by over 45 years experience. Price each, \$17.50; three for \$48.75.



## GRASS CATCHER

Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear of bottoms. Also adds to catcher's overall



strength. Adjustable to fit all standard size mowers. Price each, \$2.00; 3 for \$5.75.

## POWER MOWER GRASS CATCHERS

Model No. 1, 22 inches wide, 15 inches deep. Sturdy wire frame, aluminum bottom, with carrying handle. Has exclusive, built-in, instant attaching spring hooks, holds firmly in place on mower. Fits all power mowers where maximum outside dimension is from 17 inches to 23 inches wide. Price each, \$3.50.

Model No. 2, 28 inches wide, 19½ inches deep, same construction as above, price each, \$4.25.

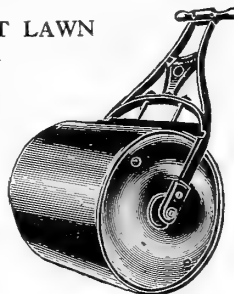


## 28 INCH DELUXE LAWN SWEEPER

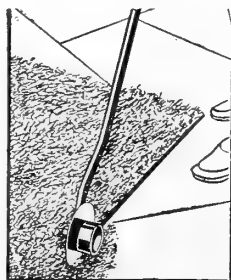
The modern style Clean Sweep for yards, lawns, walks, driveways, parks, golf courses, etc. Pressed steel rubber tire wheels 10½" diameter, roller bearing, 28" wide, 9" diameter tough bassine fibre bristle adjustable brush. Axle rides on lubricated ball bearings. Shipping weight 40 lbs. Completely assembled except for handles and hopper. Shipped in one carton. Price each, \$32.50; 20 inch, price each, \$20.00.

## WATER-WEIGHT LAWN ROLLER

Water Balast Lawn Rollers, steel handles, plain bearings, acetylene welded drums with anti-turf-tearing tires, non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.



No.	Dia.	Length	Sec- tions	Wt. Empty	Filled Water	Price
2	14 in.	24 in.	1	68 lbs.	175 lbs.	\$13.95
4	18 in.	24 in.	1	82 lbs.	265 lbs.	18.00
7	24 in.	24 in.	1	110 lbs.	420 lbs.	22.95



## ROTOTRIM LAWN EDGER

This new piece of lawn equipment was designed for perfect ease of operation with little body fatigue. Sturdily built of finest steel parts. It will give years of service. Curved handle for easy grip and no slipping of hands. Light weight, weighs only 6 lbs., packed. Price each, \$3.95; carton of 6, \$16.00.



## HEINEKE EXCELLO POWER MOWER

20"; Lightweight; easy to operate; positive clutch action; semi pneumatic tires; all steel construction. Weight 135 lbs. Due to shortage of Briggs and Stratton ¼ H.P. engines, some of the mowers will be equipped with 1½ H.P. Continental engines. Price with ¼ H.P. Briggs and Stratton engine \$120.00; with 1½ H.P. Continental Engine \$125.00.

## HEINEKE EXCELLO 18 INCH

Equipped with either Briggs and Stratton or Lawson ¼ H.P. 4 cycle air cooled engine. Price each, \$82.50.



**NO GRINDING, NO SHARPENING NECESSARY**  
Flexible striking blade is made of the finest steel and heat treated for that purpose.

Being flexible it will always be in contact with the revolving blades of the "lawn-mower", thus, assuring cutting at all times, "when properly installed." Promotes a more healthy growth of grass and makes lawn mowing a pleasure. Ea., \$1.75; 6 for \$9.00.



## BERGMAN Lawn Mower SHARPENER

A high-grade, durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. Price, \$1.10; doz., \$10.00.

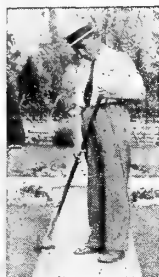


# Lawn and Garden Supplies

## O. K. PORTABLE ELECTRIC GRASS TRIMMING, EDGING and HEDGE TRIMMING EQUIPMENT

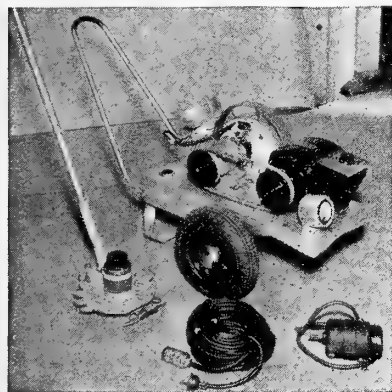


You can save . . . the entire cost of a complete outfit as shown above during **Ten or Less Days** of use . . . Every Kind of Grass trimming, cutting and edging can be done anywhere, as power plant is portable . . . two men each using an O.K. Trimmer can do as much work as eight to ten men using sickles.



### ELECTRIC TRIMMERS

OK Grass Cutter, 110 volt, 9" blade, . . . each, \$30.00  
OK Grass Cutter, 110 volt, 9" blade, large motor, . . . each, 36.00  
OK Grass Cutter, 60 volt, 9" blade, . . . each, 30.00  
OK Grass Cutter, 60 volt, 9" blade, large motor, . . . each, 36.00  
OK Hedge Trimmer, 110 volt, for home use, . . . each, 12.50  
OK Hedge Trimmer, 110 volt, heavy duty, . . . each, 20.00

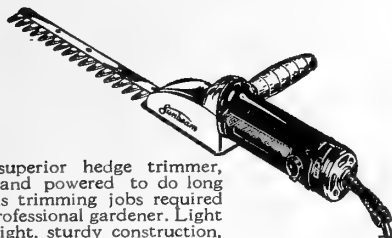


### O. K. POWER PLANT

Consisting of one complete generator outfit, Briggs Stratton engine, with rheostat and voltmeter, two wheel cart for generator. One 9 inch blade, 110 volt Grass Cutter and one 75 ft. extension cord, price, . . . each \$239.00, Extra 75 ft. cords for above, price \$6.50 per 75 ft.

**You have unlimited use for O. K. Equipment.** Why not write us for further particulars—it's standard equipment now in thousands of cemeteries.

### SUNBEAM ELECTRIC HEDGE TRIMMER



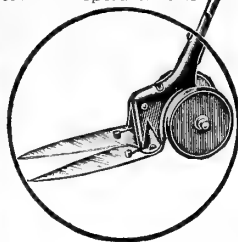
A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, \$30.00; 3 for \$75.00; retails at \$37.50; Extra cord, 50 ft., \$4.50; 100 ft., \$7.95.



**O.K. KLIP HEDGE SHEARS.** Price each \$3.50; 3 for \$10.00; 6 for \$18.00.

### DOO-KLIP GRASS SHEARS

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The

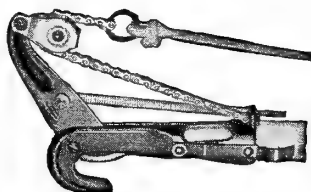


blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. Price, \$2.95; 3 for \$8.50

### DOO-KLIP GRASS SHEAR

With offset handle. Price each, \$1.75; 3 for \$4.75.

### IMPROVED PORTER NO. 7TQ90J TELEPHONE PRUNER



A strong and rugged Pruner with many advantages, such as lighter weight, greater cutting power, strength and greatly im-

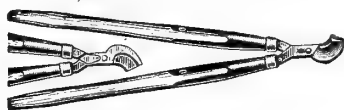
proved spring action which eliminates spring breakage with one pulley.

**PRUNER HEAD.** Only \$6.50. Pruner head with 6 ft. head pole and two 6 ft. extension poles, \$17.50.

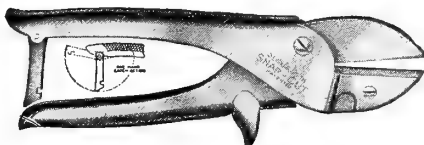
**TREE PRUNERS.** Clyde, 6-ft., \$2.75; 8-ft., \$3.00; 10-ft., \$3.50; 12-ft., \$3.95. Extra blades, each, 30c.

**Bartlett No. 1 R. J. Jointed Tree Pruner.** 12 ft., in three 4 ft. sections. Each, \$14.95.

**BUCKEYE PRUNERS.** No. 5406, 20 inch handles, each, \$2.75; 24 inch handles, each \$2.95.



**CLYDE DRAW CUT PRUNER.** No. 5402 heavy duty pruner, 24 inch reinforced handles, each, \$5.00.



**SNAP CUT PRUNER.** No. 906B. Heavy duty, full polished, \$2.50; 6 pair for \$12.00.

**SAWS (Atkins) Double-Edged Pruning.**

18-in. . \$1.95



**TRIMMER, California Pole.** Curved, draw-cut saw with crook for removing branches. Each, \$2.75; 3 for \$8.00.



**PORTER TWINCUT PROFESSIONAL ONE HAND PRUNER.** This pruner is drop forged from selected tool steel. The patented pivot bolt cannot tighten or loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inch full polish. Price, each, \$5.50, three for \$15.75.



**HENRY NO. 4773 AMERICAN RIESER PATTERN (Professional Pattern) PRUNING SHEAR.** Full polished. Best quality. Oval bevel, steel plated, hardened and tempered. Double flat brass spring with ratchet lock and Henry spring catch. Price each, \$3.25; 3 for \$9.25.

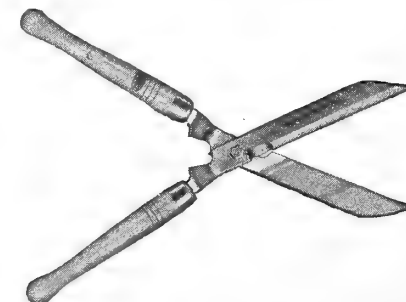


**HENRY NO. 4750 PRUNING SHEAR.** An efficient California type pruning shear with ratchet, lock, nut, volute spring. Maroon enameled infra red baked malleable handles 9-inch. Has spring catch. Price each, \$1.75; per dozen, \$16.00.



**PRUNING SHEAR ASSORTMENT.** 3 dozen fast selling numbers, made up of six different styles, including attractive counter display to hold one of each style. This set retails for \$66.75. Price per set \$44.50.

Kit consists of 3 dozen top quality shears, assorted, over six styles, including colorful box to display one of each style.



**HEDGE SHEARS.** 8-inch, each \$2.25; 6 for \$9.60.

## BONHAM GARDEN CULTIVATOR

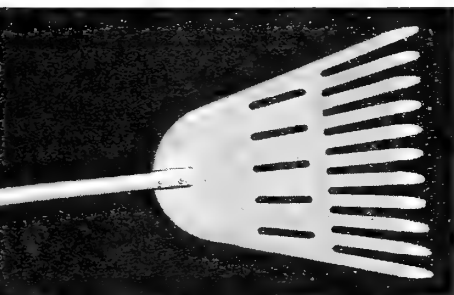


Makes gardening a pleasure. Complete with cultivator teeth, plow and furrower. All metal parts are dipped in weather-proof and rust resistant paint. Price each, \$4.95.



### LAWN RAKE

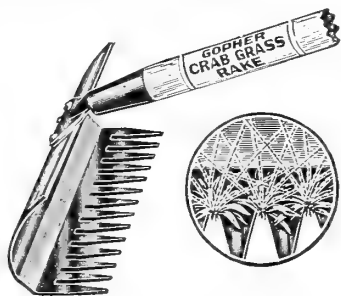
Durably made of 20 genuine spring steel tines. Handle measures 47 in., over all length 58 in. Packed 12 to a bundle. Price per doz., \$9.60.



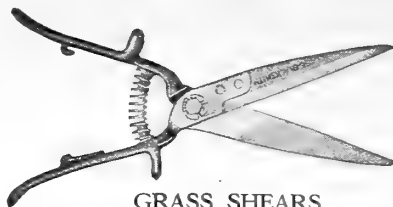
**ALUMINUM BROOM RAKE.** New and different, thoroughly tested. Width of blade at tines 12 7/8". Shipping weight 15 lbs. per dozen. Price per dozen \$8.40; 3 dozen for \$24.00.

### HANDY CRAB BRASS RAKE

This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass, shear off the entire head of the plants and keep them from further seeding. You can eliminate crab grass with this rake and not harm the other grasses; it will also pull out any weed that clings close to the ground. Each, \$1.75; three for \$4.50.



**DANDELION DIGGER.** Finest quality. Retail at 75c, price per dozen \$6.00.



### GRASS SHEARS

High quality. A tempered tool. Retail at \$1.35; dozen \$10.80.



### GRASS WHIP

Made of highest quality steel. Retail each, \$1.75; dozen \$14.00.

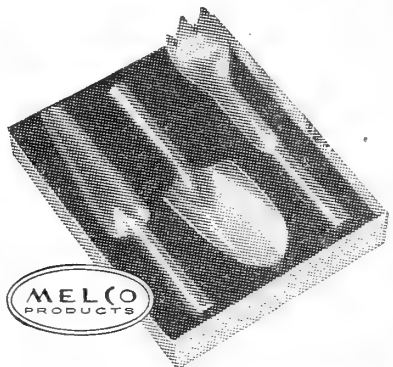
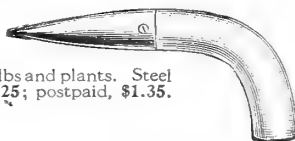


### VILLAGE BLACKSMITH GRASS HOOK

Made of high quality steel. Retail at 95c; dozen, \$7.60.

### DIBBER

For planting bulbs and plants. Steel point. Each, \$1.25; postpaid, \$1.35.

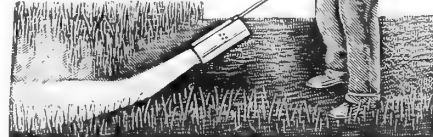


### MELCO POLISHED FEATHERLIGHT GARDEN SET

Made of cast aluminum as strong as steel these tools are light as a feather, and moulded to fit your hand. They are absolutely rust-proof, and easily cleansed and polished, so they will be beautiful as well as useful as long as they last, which will be for many years. A large trowel, small transplanting trowel, and hand-scraper or weeder for cultivating are included in the set of three. Retail at \$3.95 per set, 6 sets for \$15.80.

### SMITH'S FLAME SHOOTER GUN

4-gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$18.95 (wt. 17 lbs.)



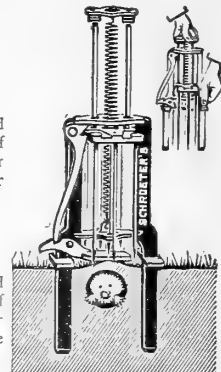
### PLANTING TOOLS HOLE-IN-ONE

The tapered cup removes the soil and makes perfect planting hole in one operation. A slight twist when pushing tool into the soil, also when removing it, will leave a clean flat bottomed hole. Each, 60c; three for \$1.65; doz., \$6.00. Long handle planting tools, each, \$5.00.

### MOLE TRAP

Reddick No. 200

Improved with patented setting attachment. One of the best mole and gopher traps. Each, \$1.85; 3 for \$5.00.



Mole Trap

### MOLE TRAP

Improved with patented setting attachment. One of the best mole and gopher traps. Each, \$3.00; three for \$8.50.

### METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish for long attractive service. Have center holes for attaching to stakes. Size 3 3/4 x 12 inches. Colors, green on white and black on white. Sign wordings.

Keep off Grass. Signs with stakes, each, 45c; six for \$2.10; dozen, \$3.85.



**FLORALITE.** A new form of garden lighting that brings glowing nighttime beauty to the garden and new profits to you. Adds that magic touch to flower beds, evergreens, pools and pathways. Does not attract insects because of the amber color globe. Simple to install, just plug into an electrical outlet. Height 24 inches plus 8 inches push-in-ground base. Complete with 15 ft. approved weather-proof cord. Retail at \$5.00 each, six for \$21.00; dozen for \$36.00.



### MILL CREPE DUPLEX TREE WRAP

For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 120 ft. to a roll. Weight about 2 lbs. Each, 50c; 10 rolls for \$4.50; 25 to 49 rolls at 43c roll.



### RUBBER APRONS

Black Light-weight.

Each, \$2.95.

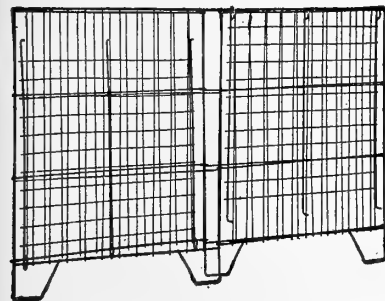
## RODENT ROCKETS



### ...THE EASY WAY

Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot". Safe, sure, efficient aids to hunters in "un treeing" holed-up woodchucks, raccoons, etc. 3 for 25c; dozen, 95c.

Packed two dozen to an attractive display carton, weight 2½ lbs. Invaluable in Nursery and Greenhouse. Price per carton of 24 rockets, \$1.50; six cartons for \$8.40.



### FOLDAWAY INCINERATOR

All welded construction, painted green enamel. Ideal for burning leaves, paper, etc. Folds away flat. Height 24½ inches, depth 18½ inches, width 18½ inches. There are four sides, plus top and bottom, to insure that material burned in this incinerator cannot be carried away by the wind, to constitute a fire hazard. When folded flat, the entire incinerator measures 37x24x1¼ inches and can be stored in small space until needed again. Price each, \$2.35; doz., \$18.80.



### WICK-FED PLASTIC POTS

4 inch diameter in following shades—ivory, yellow, red and pink with black base. Retail each at \$1.00; per dozen, \$7.20.

### NEW IMPROVED LONGFELLOW FEEDER

17½x3x3 in. Newest and best in this type feeder. Provided with "Easy Up" Brackets to quickly attach anywhere to window side or sill, storm sash or tree, or post, or hang with wire from a branch. Including Suet Cylinder. Retail at \$1.50; per doz., \$12.00. Extra Refill Cylinders retail at 35c, per doz. \$2.60.



### SCARE-AWAY

The Modern Scarecrow. Frightens pests from garden, orchard and property. Pleasant tinkle, movement in the breeze, and bright reflection keeps out most destructive birds and animals. Interesting, decorative touch. Package of 10 Scare-Away strips 2 x 15 inch. Retail at 25c per package; per display carton of 24 packages, \$3.60.



### AUTOMATIC BIRD FEEDERS (Patented)

An economical feeder for all kinds of seeds cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year around. Birds enjoy swinging with the feeder. Each, \$2.75; 6 for \$11.50.



### WREN HOUSE No. 16



This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$1.65; 6 for \$8.00; white and green, each, \$2.00; 6 for \$10.00. Blue Bird House No. 5 similar to the above, stained brown, \$1.25; 6 for \$6.60.

### MARTIN HOUSE No. X215

Twenty compartment house, two stories high, unpainted, \$15.00. Painted two coats in white and green, \$17.50.

### MARTIN HOUSE No. X315

Twenty-eight compartment house, three stories high unpainted, \$17.50. Painted two coats white and green, \$21.00. Crating charge \$1.00 extra.



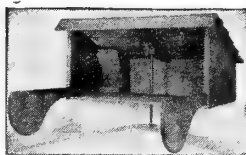
### ROBIN ROOST No. 4

Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each \$1.90 6 for \$9.00.

### No. FS21 GARDEN CRAFT FEEDING STATION

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

Size 24x12x12. Shipping weight 16 lbs. Price stained brown, \$6.00. Price stained with glass back, 7.50. Erection Post bored for mounting rod, 1.90



### No. FS10 GARDEN CRAFT BIRDFEEDER



This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter, by their appreciation. Size 8x3x10 in. Shipping weight 3 lbs. Price, \$1.75; 6 for \$9.00

Erection pole with arm, 1.00

WOOD PAINTED WREN HOUSE. An attractive wren house. Bottom removable for easier cleaning. Retail at \$1.50 each, per dozen \$12.00.



### KEMP IMPROVED POWER SOIL SHREDDER

Prepares any kind of soil, wet, dry, or stony—for any purpose. It reduces time and labor costs from 30% to 50% over old methods; makes manure and fertilizer go further. A Kemp Shredder usually pays for itself during the first year of use.

### KEMP POWER SOIL SHREDDER No. 6

Shredding heavy, wet compost made from sod and manure. Designed especially for the small grower. Low in price and economical to operate. Powered with a ¼ H.P. electric motor that can be plugged into any electric light socket.

For use also in potting shed for shredding soil for use in flats and pots. Also a handy machine for shredding and mixing soil and manure on benches.

### SPECIFICATIONS

Length, 38" Width, 22" Height at discharge end, 36" Height at hopper, 33" Weight, 200 lbs. Power, ¼ H.P. Capacity—either one or two men loading hopper. Parts having most wear, the hopper, top and deflector, made from steel. Machine shipped complete with motor and cord, ready to plug into socket and run. Price of No. 6, complete, ready to run, \$135.00

### KEMP SOIL SHREDDERS

No. 6 Complete with ½ H.P. electric motor, 3 ft. of cord, mounted on truck with wheels, \$128.00  
No. 6 Complete with 1½ hp. Briggs & Stratton gas engine, mounted on truck with wheels \$135.00  
No. 6 Complete, less engine or motor, mounted on truck with wheels \$100.00  
No. 1 Complete, with 1½ hp. electric motor, switch and 10' of cord, mounted on truck with wheels \$360.00  
No. 1 Complete with 2½ hp. gas engine, mounted on truck with wheels \$360.00  
No. 1 Complete, less engine or motor, mounted on truck with wheels \$270.00  
No. 1 Less engine or motor, belt or beltshield, but with pulley for operating with tractor, mounted on truck with wheels \$245.00  
No. 2 Complete, with either 6 hp. gas engine or 3 hp. electric motor, switch and 10' of cord, mounted on truck with wheels \$460.00  
No. 2 Complete, less engine or motor, mounted on truck with wheels \$375.00  
No. 2 Less engine or motor, belt or beltshield, but with pulley for operating with tractor, mounted on truck with wheels \$345.00

Prices for machines with electric motors are for AC motors, 60 cycle, 1 and 3 phase, 110, 220, 440 volts. For special currents such as 25 cycle, prices will be quoted on request.

### ATTACHMENTS

No. 1 Peat attachments, \$12.00  
No. 2 Peat Attachment, 15.00  
No. 1 Elevator attachments, 105.00  
No. 2 Elevator attachments, 120.00  
No. 1 Shaker screen attachments with 2 either ¼", ⅜", ½" or ¾" round holes, \$95.00  
No. 2 Shaker Screen attachments with either ¼", ⅜", ½" or ¾" round holes, \$100.00

Rubber tired wheels for No. 6, \$10.00 extra. Extension cord for No. 6 Electric, 10c per ft. Extension Cord for No. 1 Electric, 20c per ft. Rubber tire Nos. 1 and 2, \$40.00.

(F. O. B. Erie, Pa.)

Prices for machines with electric motors are for A C Motors, 60 cycles, 1 and 3 phase, 110, 220, 440 volts. For special currents such as 25 cycles, prices will be quoted on request.



## LARGER PROFITS IN QUALITY SEED

Bags included on all grass seed gross for net. All grass seed prices net cash, F. O. B. Chicago and New York and subject to change without notice. Due to unsettled conditions at the time this goes to press, prices are only approximate.

### FANCY GRASSES

All grass seed prices subject to change without notice. Orders will be booked at the lowest price on day received. Order early and avoid transportation difficulties.

**KENTUCKY BLUE GRASS.** Our blue grass is all recleaned to fancy purities with low weed content and is of high germination. Fancy. Purity 85%. Full bags (112 lbs.), \$63.00 per 100 lbs.; less than 112 lbs., 65c per lb.; 10 to 25 lbs., 67c per lb.

Standard. Purity 80%. Full bags (112 lbs.), \$61.00 per 100 lbs.; less than 112 lbs., 63c per lb.; 10 to 25 lbs., 65c per lb.

Extra Fancy Seed. Purity about 90%. Full bags (112 lbs.), \$67.00 per 100 lbs.; less than 112 lbs., 69c per lb.; 10 to 25 lbs., 71c per lb.

Refined Sun Cured. Purity about 97 to 98%. Full bags (112 lbs.), \$75.00 per 100 lbs.; less than 112 lbs., 77c per lb.; 10 to 25 lbs., 79c per lb.

**RED TOP, Refined.** Extra Recleaned Purity 97 to 98%. Full bags (100 lbs.), \$75.00 per 100 lbs.; broken bags, 76c per lb.; 10 to 25 lbs., 77c per lb.

Extra Fancy. Purity 92%. Full bags (100 lbs.), \$65.00 per 100 lbs.; broken bags, 66c per lb.; 10 to 25 lbs., 67c per lb.

Fancy. Purity 85%. Full bags (100 lbs.), \$60.00 per 100 lbs.; broken bags, 61c per lb.; 10 to 25 lbs., 62c per lb.

### CLOVER, White Dutch.

Extra Fancy. \$85.00 per 100 lbs.; less than 100 lbs., 87c per lb.; 10 to 25 lbs., 89c per lb.

Choice Grades. \$82.00 per 100 lbs.; less than 100 lbs., 84c per lb.; 10 to 25 lbs., 86c per lb.

Put up in packages of 5 lbs. and less, write for prices.

**PERENNIAL RYE GRASS.** \$18.00 per 100 lbs.; broken bags, 19c per lb.; 10 to 25 lbs., 20c per lb.

**RYE GRASS Common, Native Grown.** Full bags (100 lbs.), \$13.00 per 100 lbs.; broken bags, 14c per lb.; 10 to 25 lbs., 15c per lb.

**CHEWING'S FESCUE.** Full bags (115 lbs.), \$55.00 per 100 lbs.; broken bags, 57c per lb.; 10 to 25 lbs., 60c per lb.

**CREeping RED FESCUE.** A variety of fescue superior to Chewings. 100 lbs., \$57.00; less than 100 lbs., 59c per lb.; 10 to 25 lbs., 61c per lb.

**ALTA FESCUE.** A new development—excellent for roadsides, athletic fields, airports etc.—quite drought resistant—deep root system—quite coarse for lawn purposes—100 lbs., \$45.00; less than 100 lbs., 48c per lb.

**POA TRIVIALIS.** \$95.00 per 100 lbs.; broken bags, 97c per lb.; 10 to 25 lbs., \$1.00 per lb.

**ASTORIA BENT, Certified Blue Tag.** Full bags, (100 lbs.), \$110.00 per 100 lbs.; broken bags, \$1.15 per lb.; 10 to 25 lbs., \$1.20 per lb.

**SEASIDE BENT, Certified Blue Tag.** Full bags, \$110.00 per 100 lbs.; broken bags, \$1.15 per lb.; 10 to 25 lbs., \$1.20 per lb.

**COLONIAL BENT.** Full bags, \$85.00 per 100 lbs.; broken bags, 90c per lb.; 10 to 25 lbs., 95c per lb.

Ask for quotations on grasses not listed.

### LAWN MIXTURES

#### Vaughan's "Private Estate" Bent Formula

A very fancy mixture containing an important percentage of the Bent grasses. Makes a beautiful velvety lawn. More practical than pure bent lawns.

(Retail at \$1.25 per lb.) Price, \$78.00 per 100 lbs.; 5-lb. bags (ea., \$4.25), per 100 lbs., \$80.00; 1-lb. cartons (ea., 90c), per 100 lbs., \$82.00. Orders for 10 to 25 lbs., 81c per lb.

### SPECIAL MIXTURES

If interested in cheaper mixtures or formulas other than we list let us know and we will be glad to quote.

#### Vaughan's Chicago Parks (Containing Creeping Red Fescue)

Because of the extreme popularity and satisfaction received by our new formula containing Creeping Red Fescue in conjunction with blue grass and other suitable grasses we are pleased to advise we are maintaining Creeping Red Fescue in our formula.

#### Prices for Chicago Parks Formula

	Per 100 lbs.
½-lb. carton, each, 40c (Retail for 60c)	
1 -lb. carton, each, 70c (Retail for \$1.00)	\$67.00
2 and 3-lb. cartons	66.50
5-lb. cartons or bags (each, \$3.35)	65.00
10 and 15-lb. bags	64.50
50 and 25-lb. bags	64.00
100 lb. lots	63.00
500 lb. lots	62.00

Lots of 10 to 25 lbs., 65½c lb. On Larger Lots Ask For Prices. We offer this same mixture, without White Clover, under the name Vaughan's "Fairway" Mixture, at prices the same as "Chicago Parks."

#### Vaughan's Columbian (Shady Place Formula)

	Per 100 lbs.
½-lb. carton, each, 40c (Retail for 60c)	
1 -lb. carton, each, 70c (Retail for \$1.00)	\$67.00
2 and 3-lb. cartons	66.50
5-lb. cartons or bags (each, \$3.35)	65.00
10 and 15-lb. bags	64.50
50 and 25-lb. bags	64.00
100 lb. lots	63.00
500 lb. lots	62.00

Lots of 10 to 25 lbs., 65½c lb. On Larger Lots Ask For Prices.

#### Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. Is also satisfactory in moderate shade. This is an exceptionally fine shade mixture and now includes the splendid new creeping red fescue. Grass grown in the shade requires extra care. Ask for Lawn Grass pamphlet for directions.

(Retail at \$1.00 per lb.) Price, \$63.00 per 100 lbs.; 5-lb. cartons (ea., \$3.35), per 100 lbs., \$65.00; 1-lb. cartons (each 70c), per 100 lbs., \$67.00. Orders for 10 to 25 lbs., 65½c per lb.

#### Vaughan's No. 25 Lawn Mixture

100 lb. bags, \$43.00; 1-lb. cartons (ea., 50c), \$47.00 per 100 lbs.; 5-lb. bags (ea., \$2.40), \$45.00 per 100 lbs.; 10 to 25 lbs., 45½c per lb.; retails 75c per lb.



# Freshly Packed and Tested Lawn Seed in 1950 for Your Unsold 1949 Stock

## Federal Seed Law Requires Dated Germination Tests

OUR dealers can purchase cartons and 5-lb. bags of our branded seed with no fear of carrying over outdated seed into the following year. We will allow unsold packages to be returned to us and replace them with freshly packed and tested seed the following spring. Dealers who have tried this plan report that it enables them to keep up stocks and get maximum sales throughout the season with no fear of inventory losses.

This offer is NOT in any way to be considered on a consignment basis but is solely for the protection of our dealers against having to carry into the following year unsalable, outdated and soiled cartons.

The terms of payment are absolutely the same as heretofore.

This offer does not apply in any way whatsoever to bulk seed or non-branded seed and this is in no way to be considered a guarantee sale. All seed to be exchanged must positively be returned to us prepaid by December 1, 1949, and replacement will be made by March 1, 1950.

NOTE—We cannot accept broken cartons and wet or otherwise damaged seed for exchange.

### For Your Protection

All our grass seeds are carefully analyzed in our own fully equipped laboratory and tagged or labelled to conform to the complicated requirements of the state laws. Errors in labelling might be costly and troublesome. Play safe.

With each of the deals below we furnish the vividly colored window streamer illustrated on the opposite page.

## Vaughan's Chicago Parks Contains NO TIMOTHY

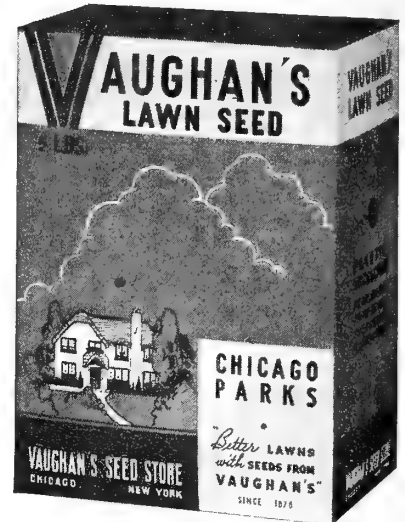
Recommend this mixture for beauty and durability. It produces a fine turf that will endure. The splendid reputation of this mixture for over half a century makes it an easy seller and keeps satisfied customers. For seeding and care of lawn, call customer's attention to lawn booklet enclosed in every carton and bag of Vaughan's lawn seed.

Chicago Parks	<b>\$35</b>	Retails for \$52.80
Deal No. 1		
	Net Cash	Cartons Ret. Price
	F. O. B. Chicago	6 1-lb. \$1.00
		4 2-lbs. 2.00
		8 5-lbs. 4.85

## Vaughan's No. 25 Lawn Mixture An Economy Mixture Containing NO TIMOTHY

This blend fills the demand for a mixture which is both inexpensive and at the same time free of objectionable timothy so widely used as a lawn seed adulterant. Our No. 25 has, as its chief ingredient, the grass which is used for winter putting greens on southern golf courses. It comes up as quickly as timothy, will last longer and makes a fine appearance if kept cut.

		No. 25. Deal No. 2
Retails for		<b>\$30</b>
\$48.00		
Cartons Ret. Price		
16 1-lb. \$0.75		
Bags		
10 5-lb. 3.60		
	Net Cash	
	F. O. B. Chicago	



NEW CARTON OF MODERN DESIGN  
SUPPLIED IN ALL SIZES UP TO 5 LBS.

### "Your Lawn"

This booklet gives the latest scientific advice on all phases of lawn making including fertilization and weed control. One copy is enclosed in each carton and bag of the lawn seed mixtures.



This Vivid Window Streamer Printed in Five Colors Will Bring You Business—Furnished Free to All Dealers.

CABLE ADDRESS  
VAUGHAN, CHICAGO  
CAROTIDA, NEW YORK

# Vaughan's Seed Company

NURSERIES,  
WESTERN SPRINGS, ILL.

GENERAL OFFICES AND WAREHOUSES  
601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.

CHICAGO LOOP STORE  
10-12 W. RANDOLPH ST.

All telegrams should be addressed to Vaughan's Seed Co. WUX Chicago, or WUX New York to speed handling. This insures prompt delivery to us by teletype. PRICES IN THIS CATALOGUE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Please give us your Post Office delivery zone if you are in a large city

**TERMS OF PAYMENT.** To customers of approved credit, 60 days, except on goods always sold for cash, see other pages. **Special 2 percent discount** for cash in ten days from date of invoice (from these list prices only, not from "Special" mail quotations and excepting net cash items and flower seeds).

**Cash Discounts on Flower Seeds.** On all orders for flower seeds, except Cyclamen seed, which is net, totaling less than \$25.00, 5%, and over \$25.00, 8%, may be deducted if cash is enclosed.

**FIRST ORDERS** from all firms not having an account with us should come with cash remittance to cover, if merchandise is needed at once. If cash is not sent, supply bank and trade references and expect a few days delay while references are checked. Some individual name should be signed to all orders. A typewritten or rubber stamp signature is insufficient.

**ESTIMATE ORDERS.** These orders are held in file and just prior to shipment a detailed invoice will be sent. Upon our receipt of your check covering the invoice, merchandise will be shipped. Estimate orders enable you to receive cash discount and save you C. O. D. charges.

**POSTAGE** for parcel post shipment. The prices in this catalogue except on Flower Seeds are not prepaid. Include sufficient to cover postage with cash orders. Postage will be billed on charge orders.

**PERISHABLE STOCK, are positively not sent C. O. D.**

**WHERE SOLD.** Our stocks are sold F.O.B. Chicago, New York or Western Springs (unless otherwise stated) and we do not accept transportation risks after delivery in good order to express companies, railroads or steamship lines.

**ROUTING.** On each Order please give name of railroad you wish shipped by; there is no other sure way of correct routing. State distinctly if by Mail, Express, Truck or Freight. If no routing is given, we will use our judgement but cannot be responsible for any delay or over charges.

**INSURANCE.** We insure all orders for seeds for \$2.00 and over at buyer's expense, unless instructed not to do so.

**Discounts on Standard Retail Packets for Resale**

In no case will a discount be allowed where the retail value of the order sent in at one time is less than \$1.00.

For orders for packet seeds to be placed in your stock and resold, discounts on prices in our SPRING RETAIL CATALOGUE will be given as follows:

25% on orders amounting to \$1.00 or more (for packets only) when less than 5 of a kind are ordered at one time.

30% on orders (for packets) from \$1.00 to \$5.00, when at least 5 of a kind are ordered.

40% on orders (for packets) for \$5.00 and over, when at least 5 of a kind are ordered.

None of these seeds are returnable. They are sold outright.

Postage is Prepaid on above Flower Seed Packets.

**IMPOSSIBLE TO GUARANTEE CROPS.**

VAUGHAN'S SEED CO., gives no warranty express or implied, as to the productiveness of any seeds, bulbs or plants it sells, nor does it warrant fertilizers other than in respect to data required of seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

**ADVANCE ORDERS** for roses, bulbs or seeds not yet grown or harvested are subject to prorata delivery in case of short crop.

**STATE QUARANTINES.** Plant regulations which may delay or damage plants are at customer's risk only. If your state imposes serious restrictions on plants shipped in, tell us.

**ORDERS FOR BULBS, ONION SETS and like perishable stock** which we book in advance of shipping date are accepted by us only subject to loss by fire, rot or other accident beyond our control; we do not guarantee to supply if so lost.

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## Florists' Order Blank

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# 500 1st Size Glads, 10 Named Varieties, and Display Box



## \$15<sup>00</sup>

Retails for \$30.00

Gladiolus Display Box Holding 500 1st Size Bulbs, 50 each of 10 Named Varieties

F. O. B. Chicago or New York

**V**AUGHAN'S GLADIOLI are famous. For years they have been nationally advertised. You have only to put this box on your counter to sell out quickly.

We use **FIRST SIZE BULBS**, the size which sells best over the counter. The 10 named varieties (50 each) of good named varieties. The price to you is \$15.00 for the box and 500 bulbs of 10 named varieties. You retail them for 75c a dozen, or more, because the selection is worth more, doubling your money. Each variety is packed 50 in a bag labeled with its name. You empty one bag into a compartment, and refill in the same manner when it is empty. This prevents mixtures and loss of bulbs. After the display box and first collection have been bought, refill orders will be accepted for \$14.50 for 500 bulbs, 50 each of 10 varieties, in bags of 50; or \$28.00 for 1,000 bulbs, 100 each of ten varieties. Colored pictures are provided to paste on the compartments. This box keeps the bulbs in the open air, thus preventing bacterial rot which comes when they are sealed in cartons. The named varieties are kept apart without mixing, which adds greatly to their value. Varieties Subject to Change Without Notice.

## Sell Vaughan's Famous Rainbow Garden of Gladioli (56 No. 3 bulbs)

Each: \$1.50; 10 for \$14.00; 20 for \$27.00; Prepaid 600 Miles.

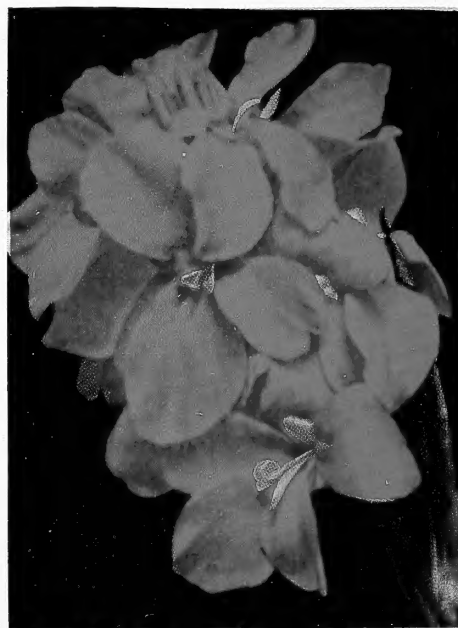
Retailing at \$2.00, this is an unexcelled leader. It includes 56 bulbs, 8 each of the following varieties, each separately bagged and labeled: **Corona**, creamy white, wide rose picotee; **Margaret Beaton**, huge white orange-scarlet blotch; **Beacon**, salmon scarlet; **Picardy**, pink; **King Lear**, clear deep purple heavily ruffled; **Gold Dust**, deep rich yellow; **Valeria**, soft red, ruffled petals.

## Four Outstanding Cannas

For years we have tried out all canna introductions, and on the basis of these tests we recommend the following varieties as the best now available in all respects, including size, color, vigor and disease resistance. Cannas are indispensable for parks, cemeteries, golf grounds or any place where a large mass of flowers and foliage is needed.

		Per 100	Per 1,000
<b>KING HUMBERT.</b>	4 ft. Scarlet flowers, bronze leaves, greatest favorite today.....	\$6.50	\$60.00
<b>YELLOW KING HUMBERT.</b>	4 ft. A yellow flowering sport of the well known variety King Humbert.....	6.50	60.00
<b>DOROTHY S.</b>	4 feet. A fine salmon red. Sport of President. Produces large flowers. Is very vigorous and drought resistant..	7.00	65.00
<b>THE PRESIDENT.</b>	4 ft. In color a rich glowing scarlet with immense rounded flowers seven inches across when fully open, produced on strong, erect stems well above the large green foliage. Free-bloomer and strong grower. Dormant roots.....	6.50	60.00

For full canna list, see Index.



CANNA The President



## P A N S I E S

### **Vaughan's Super Maple Leaf Mixture (Canadian Giants)**

A selection of the distinct variety Maple Leaf Giants we introduced some years ago. Having large leaves of a rich dark green and flowers of gigantic size of heavy substance with good stems in a beautiful color range; plants of compact and sturdy growth.

Trade pkt., 90c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.